ANALYTICAL SUMMARY DATA PACKAGE
SDG # KIRTLAND_053

PROJECT NAME: KIRTLAND AFB 2011
PROJECT LOCATION: ALBUQUERQUE, NEW MEXICO

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THIS DOCUMENT MEETS DoD QSM 4.2 STANDARDS

The results relate to only the samples associated with the referenced SDG and the submitted data has been produced in accordance with laboratory procedures. The Laboratory's Technical Lab Director, Mr. Rick Davis, is responsible for the final data produced and reported. His signature is listed at the end of the Case Narrative within the Analytical Data Package. If applicable to this report package, details on report revisions and the information on subcontracted analysis are listed in the package Case Narrative. This report shall not be reproduced, except in full, without the written approval of Empirical Laboratories, LLC.

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Sample Delivery Group Case Narrative

Receipt Information

The samples were received within the preservation guidelines for the associated methods. The information associated with sample receipt and the Sample Delivery Group (SDG) are included within section 4 of this package, which also provides information on the link between the client sample ID listed on the COC and laboratory's assigned unique sample ID or WorkOrder #. The sample is tracked through the laboratory for all analysis via the assigned WorkOrder #.

All samples that were received were analyzed and none of the samples were placed on hold without analyses. There were no subcontracted analyses for this SDG.

Changes to the Revision

Revision 01: Due to the concentrations for samples 1205070-01 and -03 for SW8015B DRO not matching, samples 1205070-01 and -03 were re-extracted at the request of the client. The original extraction for 1205070-01 and -03 were removed and the re-extracts were added to the report.

Analytical Information

All samples were prepped (where applicable) and analyzed within the standard allowed holding times, unless noted within the exceptions listed below. The laboratory analyzed all samples within the program and method guidelines. Sample prep and dilution information is provided within the final results report and at the beginning of each form set. The following information is provided specific to individual methods:

Chromatographic Flags for Manual Integration:

The following letters are used to denote manual integrations on the laboratory's raw data in association with chromatographic integrations:

A: The peak was manually integrated as it was not integrated in the original chromatogram.
B: The peak was manually integrated due to resolution or coelution issues in the original chromatogram.
C: The peak was manually integrated to correct the baseline from the original chromatogram.
D: The peak was manually integrated to identify the correct peak as the wrong peak was identified in the original chromatogram.
E: The peak was manually integrated to include the entire peak as the original chromatogram only integrated part of the peak.

SW8260B:
Note – Samples 1205070-09 and -11 were analyzed at a 5x only due to the samples foaming on the instrument during screening.

The following batch spikes exceeded criteria:
2E11004-BS1/BSD1 exceeded relative percent difference criteria for Bromomethane

The following continuing calibration verifications exceeded criteria:
2E13201-CCV1 with a positive bias for Carbon Tetrachloride and a negative bias for Acetone
2E13504-CCV1 with a positive bias for Carbon Tetrachloride
2E13604-CCV1 with a positive bias for Carbon Tetrachloride and 2,2-Dichloropropane and a negative bias for Chloromethane
2E13704-CCV1 with a positive bias for Carbon Tetrachloride and 2,2-Dichloropropane and a negative bias for Bromomethane and Chloromethane
2E13906-CCV1 with a positive bias for Carbon Tetrachloride and a negative bias for Bromomethane

The following blanks have positive results:
2E14013-BLK1 for Hexachlorobutadiene
2E15012-BLK1 for Hexachlorobutadiene
2E17014-BLK1 for Hexachlorobutadiene
Note – the concentration for Hexachlorobutadiene in the method blanks is less than ½ the LOQ

No additional anomalies or deviations are noted and the proper data qualifiers have been applied.

SW8270C BNA:
Note – Sample 1205054-17RE1 was re-extracted due to original extraction having two surrogates less than 10% but only 500 mLs instead of 1000 mLs was able to be used for the re-extraction.

The following surrogates exceeded criteria:
2-Fluorobiphenyl diluted out in 1205054-01RE1, -05RE1, and 1205080-07RE1
2-Fluorophenol diluted out in 1205054-01RE1, -05RE1, and 1205080-07RE1 and with a negative bias in 1205070-09
Nitrobenzene-d5 diluted out in 1205054-01RE1, -05RE1, and 1205080-07RE1 and with a positive bias in 120580-07
Phenol-d6 diluted out in 1205054-01RE1, -05RE1, and 1205080-07RE1 and with a positive bias in 12050808-07
Terphenyl-d14 diluted out in 1205054-01RE1, -05RE1, 1205080-07, and 1205080-07RE1
2,4,6-Tribromophenol diluted out in 1205054-01RE1, -05RE1, and 1205080-07RE1

The following batch spikes exceeded criteria:
2E10006-BS1/BSD1 with a negative bias for Caprolactam and exceeded relative percent difference criteria for Benzidine, 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, 4-Nitrophenol, and Pentachlorophenol
2E11005-BS1/BSD1 with a negative bias for Caprolactam, with a positive bias for Acetophenone, Atrazine, 1,1-Biphenyl, and exceeded relative percent difference criteria for Benzidine and 4-Nitrophenol
2E14006-BS1 with a negative bias for Caprolactam
2E15006-BS1/BSD1 with a negative bias for Caprolactam

The following continuing calibration verifications exceeded criteria:
2E13601-CCV1 with a positive bias for 2,4-Dinitrophenol, Hexachlorocyclopentadiene, and 2,4,6-Tribromophenol
2E13901-CCV1 with a positive bias for 2,4-Dinitrophenol and 4-Nitrophenol
2E13902-CCV1 with a positive bias for 2,4,6-Tribromophenol
2E14201-CCV1 with a positive bias for 4,6-Dinitro-2-methylphenol and 2,4-Dinitrophenol
2E15109-CCV1 with a positive bias for 4,6-Dinitro-2-methylphenol, 2,4-Dinitrophenol, Hexachlorocyclopentadiene, Nitrobenzene-d5, and 2,4,6-Tribromophenol
2E15109-CCV2 with a positive bias for Caprolactam

No additional anomalies or deviations are noted and the proper data qualifiers have been applied.

SW8015B DRO:
The following samples were extracted outside of the method recommended holding time: **1205070-01RE1** and **-03RE1**

The following surrogates exceeded criteria:
o-Terphenyl diluted out in 1205080-07RE1

The following surrogate exceeded the retention time window:
o-Terphenyl in 1205054-05RE1 and 2E14405-CCV2; note – the result bias due to the retention time shift was determined to be negligible for all affected samples and QC.

No additional anomalies or deviations are noted.

SW8015B GRO:
No anomalies or deviations are noted.

SW8011:
Note - Due to analyst error, samples required re-extraction/re-analysis. Samples GW0517, GW0518, GW0563, GW0564, and GW0565 sampled 05/07/12 were extracted/analyzed outside method holding time of 14 days but well within 2x the method holding time. Results are qualified with H1 and H2.

No additional anomalies or deviations are noted and the proper data qualifiers have been applied.

SW6010B:
No anomalies or deviations are noted.

Wet Chemistry:
The following compounds are qualified with an M to indicate that the LOQ was raised to the level of the reporting limit standard within criteria:
Chloride (1.0mg/L) in 1205054-01-01, -03, -05, -07, -09, -11, -13, -15, -17, -19, and -21
Sulfate as SO4 (2.5mg/L) in 1205054-01-01, -03, -05, -07, -09, -11, -13, -15, -17, -19, -21, 1205070-01, -03, -05, -07, -09, -11, -13, 1205080-01, -03, -05, -07, -09, and 1205096-01

The following compounds are qualified with an M to indicate that the DL was raised due to interference:
Nitrate/Nitrite as N in 1205070-01, -03, -05, -07, -09, -11, -13, 1205080-01, -03, -05, -07, -09, and 1205096-01

The following blanks have reported results:
2E14611-CCB1 for Nitrate/Nitrite as N

No additional anomalies or deviations are noted and the proper data qualifiers have been applied.

Data Qualifiers
As applicable and where required, the following general qualifiers are associated with the sample results. Additional qualifiers will be specified within the reporting sections of the data package or within the body of the Case Narrative.

Analytical Report Terms and Qualifiers

MDL: The method detection limit (MDL) is defined as the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. The MDL is determined from analysis of a sample containing the analyte in a given matrix. For DoD QSM 4.2 reporting purposes, this definition is also applied to the reported Detection Limit (DL).

LOD: The Limit of Detection is an estimate of the minimum amount of a substance that an analytical process can reliably detect. An LOD is analyte- and matrix-specific and may be laboratory-dependent. This definition is further clarified in the DoD QSM 4.2 revisions as the smallest amount or concentration of a substance that must be present in a sample in order to be detected at a high level of confidence (99%). At the LOD, the false negative rate (Type II error) is 1%.

LOQ: The Limit of Quantitation is the minimum level, concentration, or quantity of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. This term is further clarified within the DoD QSM 4.2 as the lowest concentration that produces a quantitative result within specified limits of precision and bias.

*****: An exceeding quality control criteria is associated with the reported result.

B: The presence of a "B" to the right of an analytical value indicates that this compound was also detected in the method blank and the data should be interpreted with caution. One should consider the possibility that the correct sample result might be less than the reported result and, perhaps, zero.

D: When a sample (or sample extract) is rerun diluted because one of the compound concentrations exceeded the highest concentration range for the standard curve, all of the values obtained in the dilution run will be flagged with a "D".

E: The concentration for any compound found which exceeds the highest concentration level on the standard curve for that compound will be flagged with an "E". Usually the sample will be rerun at a dilution to quantitate the flagged compound.

H1: The result was analyzed outside of the EPA recommended holding time.

H2: The result was extracted outside of the EPA recommended holding time.

H3: The sample for this analyte was received outside of the EPA recommended holding time.

J: The presence of a "J" to the right of an analytical result indicates that the reported result is estimated. The mass spectral data pass the identification criteria showing that the compound is present, but the calculated result is less than the EQL. One should feel confident that the result is greater than zero and less than the EQL.

M: Indicates that the sample matrix interfered with the quantitation of the analyte. In dual column analysis the result is reported from the column with the lower concentration. In inorganics, it indicates that the parameters MDL/RL has been raised.

N: The MS/MSD accuracy and/or precision are outside criteria. The predigested spike recovery is not within control limits for the associated parameter.

P: The associated numerical value is an estimated quantity. There is greater than a 40% difference between the two GC columns for the detected concentrations. The higher of the two values is reported unless matrix interference is obvious or for HPLC analysis where the primary column is reported.

Q: The RPD and/or percent recovery exceeded limits in the associated Blank Spike and/or Blank Spike Duplicate.

S: The associated internal standard failed criteria.

U: The presence of a "U" indicates that the analyte was analyzed for but was not detected or the concentration of the analyte quantitated below the DL.

X: The parameter shows a potential positive bias on a reported concentration due to an ICV or CCV exceeding the upper control limit on the high side.

Y: The parameter shows a potential negative bias on a reported concentration due to an ICV or CCV exceeding the lower control limit on the low side.

Z: The parameter shows lack of confirmation/detection, which may be due to a negative bias in the ICV or CCV which exceeds the lower control limit.

LIMS Definitions / Naming Conventions:

The following are general naming conventions that are used throughout the laboratory; however, on a method by method basis, there are additional QAQC items that are named in a consistent format.

BLK: LIMS assigns a unique identifier to the Method Blank by naming it as the letters BLK appended to the Batch ID. A Method Blank is an analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The Method Blank is used to assess for possible contamination during preparation and/or analysis steps. Method Blanks within a Batch or Analytical sequence will be appended with a numerical value beginning with 1 that will increase incrementally.

BS: LIMS assigns a unique identifier to the Blank Spike by naming it as the letters BS appended to the Batch ID. The Blank Spike or Lab Control Sample is a controlled analyte-free matrix, which is spiked with known and verified concentrations of target analytes. Spiking concentrations can be referenced in the method SOP. The BS is used to evaluate the viability of analytes taken through the entire prep (when applicable) and analytical process. Blank Spikes within a Batch or Analytical sequence will be appended with a numerical value beginning with 1 that will increase incrementally. A duplicate Blank Spike will be designated as a BSD.

MS: The LIMS assigns each Client sample with a unique identifier. The Matrix Spike is designated with a MS at the end of the sample's unique identifier. The Matrix Spike sample is used to assess the effect of the sample matrix on the precision and accuracy of the results generated using the selected method. A duplicate Matrix Spike will be designated as a MSD.

IDs: The LIMS assigns each Client sample with a unique identifier. The letter "RE" may potentially be appended to the end of the LIMS Sample ID. And "**RE"** implies that the sample was either re-prepped, re-analyzed straight, or re-analyzed at a dilution. Subsequent re-analysis for the sample will be appended with a numerical value beginning with 1 that will increase incrementally. Eg: RE1, RE2, RE3, etc.

Statement of Data Authenticity:
I certify that, based upon my inquiry of those individuals immediately responsible for obtaining the information and to the best of my knowledge, the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, with the exception of the conditions detailed in this Case Narrative, as verified by my signature below. During absences, Ms. Marcia K. McGinnity or an approved technical designee is authorized to sign this Statement of Data Authenticity.

Mr. Rick D. Davis
Laboratory Technical Director / VP Operations

ORGANIC CALCULATIONS

GC/MS Volatiles

$$\text{Final Concentration} = \frac{\text{On-column(ug/L or ug/Kg) * Expected Vol/Weight (mL or g) * Dilution}}{\text{Initial Vol/Weight (mL or g) * (Percent Solids/100) (if applicable)}}$$

Note - Expected Vol/Weight value is found in "Final Vol" column of Preparation Batch Summary.

GC/MS Extractables

$$\text{Final Concentration} = \frac{\text{On-column(ng/uL) * Final Vol (ml) * Dilution *(1000uL/mL)}}{\text{Initial Vol/Weight (mL or g) * (Percent Solids/100) (if applicable)}}$$

= ng/mL or ng/g

= ug/L or ug/kg

GC or LC Extractables

$$\text{Final Concentration} = \frac{\text{On-column(ng/mL) * Final Vol (mL) * Dilution}}{\text{Initial Vol/Weight (mL or g) * (Percent Solids/100) (if applicable)}}$$

= ng/mL or ng/g

= ug/L or ug/kg

Sample Receipt Information

1205054

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW203

Project Number: 140705
Project Name: Kirtland AFB
Sample Coordinator: Mark Lyon
Turnaround Time:

Samples Shipment Date: 08 MAY 2012
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306618081

Bill To: Shaw Environmental, Inc. - Accounts P
PO Box 98519
Baton Rouge LA 70884

Report To: Pamela Moss
7604 Technology Way, Suite 300
Denver CO 80237

Special Instructions:

Possible Hazard Indentification: Radiological ☐
Non-hazard ☑ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐

Sample Disposal:
Return to Client ☐ Disposal by Lab ☑ Archive (mos.)

1. Relinquished By (Signature/Affiliation) Shaw — Date: 5/8/12 Time: 1600
1. Received By (Signature/Affiliation) jack deville jr — Date: 5-9-12 Time: 0820
2. Relinquished By (Signature/Affiliation) — Date: Time:
2. Received By (Signature/Affiliation) — Date: Time:
3. Relinquished By (Signature/Affiliation) — Date: Time:
3. Received By (Signature/Affiliation) — Date: Time:

Comments:

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
GW0517	KAFB-106014-WG-GW0517-REG	07 MAY 2012	15:44	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0517	KAFB-106014-WG-GW0517-REG	07 MAY 2012	15:44	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0517	KAFB-106014-WG-GW0517-REG	07 MAY 2012	15:44	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0517	KAFB-106014-WG-GW0517-REG	07 MAY 2012	15:44	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0517	KAFB-106014-WG-GW0517-REG	07 MAY 2012	15:44	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0517	KAFB-106014-WG-GW0517-REG	07 MAY 2012	15:44	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
GW0517	KAFB-106014-WG-GW0517-REG	07 MAY 2012	15:44	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
GW0517	KAFB-106014-WG-GW0517-REG	07 MAY 2012	15:44	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2,			N		

01

1205054

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW203

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
								Ammonia by SM4500B					
02	GW0517	KAFB-106014-WG-GW0517-REG	07 MAY 2012	15:44	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
01	GW0517	KAFB-106014-WG-GW0517-REG	07 MAY 2012	15:44	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
03	GW0518	KAFB-106015-WG-GW0518-REG	07 MAY 2012	11:59	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0518	KAFB-106015-WG-GW0518-REG	07 MAY 2012	11:59	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0518	KAFB-106015-WG-GW0518-REG	07 MAY 2012	11:59	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0518	KAFB-106015-WG-GW0518-REG	07 MAY 2012	11:59	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0518	KAFB-106015-WG-GW0518-REG	07 MAY 2012	11:59	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0518	KAFB-106015-WG-GW0518-REG	07 MAY 2012	11:59	250 mL HDPE	1	Zinc Acetate and NaOH>	Sulfide by SM4500S-2CF			N		
	GW0518	KAFB-106015-WG-GW0518-REG	07 MAY 2012	11:59	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0518	KAFB-106015-WG-GW0518-REG	07 MAY 2012	11:59	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0518	KAFB-106015-WG-GW0518-REG	07 MAY 2012	11:59	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
04	GW0518	KAFB-106015-WG-GW0518-REG	07 MAY 2012	11:59	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0563	KAFB-106059-WG-GW0563-REG	07 MAY 2012	15:51	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0563	KAFB-106059-WG-GW0563-REG	07 MAY 2012	15:51	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0563	KAFB-106059-WG-GW0563-REG	07 MAY 2012	15:51	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0563	KAFB-106059-WG-GW0563-REG	07 MAY 2012	15:51	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0563	KAFB-106059-WG-GW0563-REG	07 MAY 2012	15:51	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
06	GW0563	KAFB-106059-WG-GW0563-REG	07 MAY 2012	15:51	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0563	KAFB-106059-WG-GW0563-REG	07 MAY 2012	15:51	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0563	KAFB-106059-WG-GW0563-REG	07 MAY 2012	15:51	250 mL HDPE	1	Zinc Acetate and NaOH>	Sulfide by SM4500S-2CF			N		
	GW0563	KAFB-106059-WG-GW0563-REG	07 MAY 2012	15:51	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0563	KAFB-106059-WG-GW0563-REG	07 MAY 2012	15:51	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
07	GW0564	KAFB-106060-WG-GW0564-REG	07 MAY 2012	13:24	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0564	KAFB-106060-WG-GW0564-REG	07 MAY 2012	13:24	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0564	KAFB-106060-WG-GW0564-REG	07 MAY 2012	13:24	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0564	KAFB-106060-WG-GW0564-REG	07 MAY 2012	13:24	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		

1205054

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW203

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
07	GW0564	KAFB-106060-WG-GW0564-REG	07 MAY 2012	13:24	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0564	KAFB-106060-WG-GW0564-REG	07 MAY 2012	13:24	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
08	GW0564	KAFB-106060-WG-GW0564-REG	07 MAY 2012	13:24	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
07	GW0564	KAFB-106060-WG-GW0564-REG	07 MAY 2012	13:24	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0564	KAFB-106060-WG-GW0564-REG	07 MAY 2012	13:24	250 mL HDPE	1	Zinc Acetate and NaOH>	Sulfide by SM4500S-2CF			N		
	GW0564	KAFB-106060-WG-GW0564-REG	07 MAY 2012	13:24	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
09	GW0565	KAFB-106061-WG-GW0565-REG	07 MAY 2012	11:09	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
10	GW0565	KAFB-106061-WG-GW0565-REG	07 MAY 2012	11:09	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
09	GW0565	KAFB-106061-WG-GW0565-REG	07 MAY 2012	11:09	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0565	KAFB-106061-WG-GW0565-REG	07 MAY 2012	11:09	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0565	KAFB-106061-WG-GW0565-REG	07 MAY 2012	11:09	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0565	KAFB-106061-WG-GW0565-REG	07 MAY 2012	11:09	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0565	KAFB-106061-WG-GW0565-REG	07 MAY 2012	11:09	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0565	KAFB-106061-WG-GW0565-REG	07 MAY 2012	11:09	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0565	KAFB-106061-WG-GW0565-REG	07 MAY 2012	11:09	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0565	KAFB-106061-WG-GW0565-REG	07 MAY 2012	11:09	250 mL HDPE	1	Zinc Acetate and NaOH>	Sulfide by SM4500S-2CF			N		
11	GW0587	KAFB-106080-WG-GW0587-REG	08 MAY 2012	13:28	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
12	GW0587	KAFB-106080-WG-GW0587-REG	08 MAY 2012	13:28	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
11	GW0587	KAFB-106080-WG-GW0587-REG	08 MAY 2012	13:28	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0587	KAFB-106080-WG-GW0587-REG	08 MAY 2012	13:28	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0587	KAFB-106080-WG-GW0587-REG	08 MAY 2012	13:28	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0587	KAFB-106080-WG-GW0587-REG	08 MAY 2012	13:28	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0587	KAFB-106080-WG-GW0587-REG	08 MAY 2012	13:28	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0587	KAFB-106080-WG-GW0587-REG	08 MAY 2012	13:28	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0587	KAFB-106080-WG-GW0587-REG	08 MAY 2012	13:28	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0587	KAFB-106080-WG-GW0587-REG	08 MAY 2012	13:28	250 mL HDPE	1	Zinc Acetate and NaOH>	Sulfide by SM4500S-2CF			N		

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Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW203

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
13	GW0588	KAFB-106081-WG-GW0588-REG	08 MAY 2012	11:03	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
14	GW0588	KAFB-106081-WG-GW0588-REG	08 MAY 2012	11:03	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
13	GW0588	KAFB-106081-WG-GW0588-REG	08 MAY 2012	11:03	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0588	KAFB-106081-WG-GW0588-REG	08 MAY 2012	11:03	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0588	KAFB-106081-WG-GW0588-REG	08 MAY 2012	11:03	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0588	KAFB-106081-WG-GW0588-REG	08 MAY 2012	11:03	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0588	KAFB-106081-WG-GW0588-REG	08 MAY 2012	11:03	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0588	KAFB-106081-WG-GW0588-REG	08 MAY 2012	11:03	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0588	KAFB-106081-WG-GW0588-REG	08 MAY 2012	11:03	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0588	KAFB-106081-WG-GW0588-REG	08 MAY 2012	11:03	250 mL HDPE	1	Zinc Acetate and NaOH>	Sulfide by SM4500S-2CF			N		
15	GW0589	KAFB-106081-WG-GW0589-FD	08 MAY 2012	11:03	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
16	GW0589	KAFB-106081-WG-GW0589-FD	08 MAY 2012	11:03	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
15	GW0589	KAFB-106081-WG-GW0589-FD	08 MAY 2012	11:03	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0589	KAFB-106081-WG-GW0589-FD	08 MAY 2012	11:03	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0589	KAFB-106081-WG-GW0589-FD	08 MAY 2012	11:03	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0589	KAFB-106081-WG-GW0589-FD	08 MAY 2012	11:03	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0589	KAFB-106081-WG-GW0589-FD	08 MAY 2012	11:03	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0589	KAFB-106081-WG-GW0589-FD	08 MAY 2012	11:03	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0589	KAFB-106081-WG-GW0589-FD	08 MAY 2012	11:03	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0589	KAFB-106081-WG-GW0589-FD	08 MAY 2012	11:03	250 mL HDPE	1	Zinc Acetate and NaOH>	Sulfide by SM4500S-2CF			N		
17	GW0610	KAFB-106099-WG-GW0610-REG	08 MAY 2012	12:45	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
18	GW0610	KAFB-106099-WG-GW0610-REG	08 MAY 2012	12:45	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
17	GW0610	KAFB-106099-WG-GW0610-REG	08 MAY 2012	12:45	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0610	KAFB-106099-WG-GW0610-REG	08 MAY 2012	12:45	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0610	KAFB-106099-WG-GW0610-REG	08 MAY 2012	12:45	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0610	KAFB-106099-WG-GW0610-REG	08 MAY 2012	12:45	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0610	KAFB-106099-WG-GW0610-REG	08 MAY 2012	12:45	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		

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Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW203

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
17	GW0610	KAFB-106099-WG-GW0610-REG	08 MAY 2012	12:45	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0610	KAFB-106099-WG-GW0610-REG	08 MAY 2012	12:45	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0610	KAFB-106099-WG-GW0610-REG	08 MAY 2012	12:45	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
19	GW0611	KAFB-106099-WG-GW0611-FD	08 MAY 2012	12:45	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
20	GW0611	KAFB-106099-WG-GW0611-FD	08 MAY 2012	12:45	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
19	GW0611	KAFB-106099-WG-GW0611-FD	08 MAY 2012	12:45	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0611	KAFB-106099-WG-GW0611-FD	08 MAY 2012	12:45	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0611	KAFB-106099-WG-GW0611-FD	08 MAY 2012	12:45	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0611	KAFB-106099-WG-GW0611-FD	08 MAY 2012	12:45	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0611	KAFB-106099-WG-GW0611-FD	08 MAY 2012	12:45	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0611	KAFB-106099-WG-GW0611-FD	08 MAY 2012	12:45	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0611	KAFB-106099-WG-GW0611-FD	08 MAY 2012	12:45	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0611	KAFB-106099-WG-GW0611-FD	08 MAY 2012	12:45	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
21	GW0612	KAFB-106100-WG-GW0612-REG	08 MAY 2012	10:31	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
22	GW0612	KAFB-106100-WG-GW0612-REG	08 MAY 2012	10:31	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
21	GW0612	KAFB-106100-WG-GW0612-REG	08 MAY 2012	10:31	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0612	KAFB-106100-WG-GW0612-REG	08 MAY 2012	10:31	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0612	KAFB-106100-WG-GW0612-REG	08 MAY 2012	10:31	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0612	KAFB-106100-WG-GW0612-REG	08 MAY 2012	10:31	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0612	KAFB-106100-WG-GW0612-REG	08 MAY 2012	10:31	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0612	KAFB-106100-WG-GW0612-REG	08 MAY 2012	10:31	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0612	KAFB-106100-WG-GW0612-REG	08 MAY 2012	10:31	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0612	KAFB-106100-WG-GW0612-REG	08 MAY 2012	10:31	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
23	GW8050-RB	FIELDQC-BW-GW8050-RB-ER	07 MAY 2012	8:40	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW8050-RB	FIELDQC-BW-GW8050-RB-ER	07 MAY 2012	8:40	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
24	GW8050-RB	FIELDQC-BW-GW8050-RB-ER	07 MAY 2012	8:40	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
23	GW8050-RB	FIELDQC-BW-GW8050-RB-ER	07 MAY 2012	8:40	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW8050-RB	FIELDQC-BW-GW8050-RB-ER	07 MAY 2012	8:40	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		

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Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW203

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
23	GW8050-RB	FIELDQC-BW-GW8050-RB-ER	07 MAY 2012	8:40	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
25	GW8054-AB	FIELDQC-BW-GW8054-AB-AB	07 MAY 2012	11:09	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		
26	GW8055-AB	FIELDQC-BW-GW8055-AB-AB	08 MAY 2012	13:28	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		
27	GW8203-TB	FIELDQC-BW-GW8203-TB-TB	07 MAY 2012	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

Cooler Received/Opened On_ 05/09/12 @ 0820

1. Tracking #_8081_(last 4 digits, FedEx) WO# 1205054

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 5.7 *Degrees Celsius + correction factor* - 0.2 = 5.5

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: FRONT

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) JD

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 1

I certify that I unloaded the cooler and answered questions 7-14 (intial) JD

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES... NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) JD

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) JD

I certify that I attached a label with the unique LIMS number to each container (intial) JD

21. Were there Non-Conformance issues at login? YES...NO Was a NCR generated? YES...NO...# —

Additional Details:

Cooler Received/Opened On_ 05/09/12 @ 0820

1. Tracking # 8092 (last 4 digits, FedEx) WO# 1205054

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 2.6 *Degrees Celsius + correction factor* - 0.2 = 2.4

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES...NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1-FRONT

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 2

I certify that I unloaded the cooler and answered questions 7-14 (intial) JD

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) JD

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) JD

I certify that I attached a label with the unique LIMS number to each container (intial) JD

21. Were there Non-Conformance issues at login? YES...NO Was a NCR generated? YES...NO...# —

Additional Details:

Cooler Received/Opened On_ 05/09/12 @ 0820

1. Tracking #_____8907_____(last 4 digits, FedEx) WO# 1205054

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 1.4 *Degrees Celsius + correction factor* - 0.2 = 1.2

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES (NO)...NA

4. Were custody seals on outside of cooler? (YES)...NO...NA

If yes, how many and where: 1-FRONT

5. Were the seals intact, signed, and dated correctly? (YES)...NO...NA

6. Were custody papers inside cooler? (YES)...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) BA

7. Were custody seals on containers: YES (NO) and Intact YES...NO...(NA)

Were these signed and dated correctly? YES...NO...(NA)

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? (YES)...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? (YES)..NO...NA

12. Did all container labels and tags agree with custody papers? (YES)..NO...NA

13a. Were VOA vials received? YES..(NO)..NA

b. Was there any observable headspace present in any VOA vial? YES...NO..(NA)

14. Was there a Trip Blank in this cooler? YES...NO..(NA) If multiple coolers, sequence # 3

I certify that I unloaded the cooler and answered questions 7-14 (intial) JD

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? (YES).. NO...NA

b. Did the bottle labels indicate that the correct preservatives were used (YES)...NO...NA

16. Was residual chlorine present? YES...NO..(NA)

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) JD

17. Were custody papers properly filled out (ink, signed, etc)? (YES)...NO...NA

18. Did you sign the custody papers in the appropriate place? (YES)...NO...NA

19. Were correct containers used for the analysis requested? (YES)...NO...NA

20. Was sufficient amount of sample sent in each container? (YES)...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) JD

I certify that I attached a label with the unique LIMS number to each container (intial) JD

21. Were there Non-Conformance issues at login? YES...(NO) Was a NCR generated? YES...(NO)...# —

Additional Details:

Cooler Received/Opened On_ 05/09/12 @ 0820

1. Tracking # 8118 (last 4 digits, FedEx) WO# 1205054

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 1.6 *Degrees Celsius + correction factor* - 0.2 = 1.4

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1 FRONT

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) JD

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 4

I certify that I unloaded the cooler and answered questions 7-14 (intial) JD

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) JD

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) JD

I certify that I attached a label with the unique LIMS number to each container (intial) JD

21. Were there Non-Conformance issues at login? YES...NO Was a NCR generated? YES...NO...# —

Additional Details:

Cooler Received/Opened On_ 05/09/12 @ 0820

1. Tracking # 8129 (last 4 digits, FedEx) WO# 1205054

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 1.2 *Degrees Celsius + correction factor - 0.2* = 1.0

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1 FRONT

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) JD

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 5

I certify that I unloaded the cooler and answered questions 7-14 (intial) JD

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES... NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) JD

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) JD

I certify that I attached a label with the unique LIMS number to each container (intial) JD

21. Were there Non-Conformance issues at login? YES...NO Was a NCR generated? YES...NO...# —

Additional Details:

Cooler Received/Opened On_ 05/09/12 @ 0820

1. Tracking #_____8130_____(last 4 digits, FedEx) WO# 1205054

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 2.2 *Degrees Celsius + correction factor* - 0.2 = 2.0

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1-FRONT

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 6

I certify that I unloaded the cooler and answered questions 7-14 (intial) JD

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) JD

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) JD

I certify that I attached a label with the unique LIMS number to each container (intial) JD

21. Were there Non-Conformance issues at login? YES...NO Was a NCR generated? YES...NO...# —

Additional Details:

Cooler Received/Opened On_ 05/09/12 @ 0820

1. Tracking #_____8140_____(last 4 digits, FedEx) WO# 1205054

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 04 *Degrees Celsius + correction factor - 0.2* = 0.2

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1 FRONT

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) JD

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 7

I certify that I unloaded the cooler and answered questions 7-14 (intial) JD

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) JD

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) JD

I certify that I attached a label with the unique LIMS number to each container (intial) JD

21. Were there Non-Conformance issues at login? YES...NO Was a NCR generated? YES...NO...# ___

Additional Details:

1205070

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW204

Project Number: 140705
Project Name: Kirtland AFB
Sample Coordinator: Mark Lyon
Turnaround Time:

Samples Shipment Date: 09 MAY 2012
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306618151

Bill To: Shaw Environmental, Inc. - Accounts P
PO Box 98519
Baton Rouge LA 70884

Report To: Pamela Moss
7604 Technology Way, Suite 300
Denver CO 80237

Special Instructions:

Possible Hazard Indentification:
Non-hazard ☒ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological ☐

Sample Disposal:
Return to Client ☐ Disposal by Lab ☒ Archive (mos.)

1. Relinquished By (Signature/Affiliation) [signature] Date: 5/9/12 Time: 1600
1. Received By (Signature/Affiliation) jack Deville jr Date: 5-10-12 Time: 0820

2. Relinquished By (Signature/Affiliation) Date: Time:
2. Received By (Signature/Affiliation) Date: Time:

3. Relinquished By (Signature/Affiliation) Date: Time:
3. Received By (Signature/Affiliation) Date: Time:

Comments:

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01 GW0511	KAFB-106008-WG-GW0511-REG	09 MAY 2012	11:13	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0511	KAFB-106008-WG-GW0511-REG	09 MAY 2012	11:13	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0511	KAFB-106008-WG-GW0511-REG	09 MAY 2012	11:13	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0511	KAFB-106008-WG-GW0511-REG	09 MAY 2012	11:13	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0511	KAFB-106008-WG-GW0511-REG	09 MAY 2012	11:13	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0511	KAFB-106008-WG-GW0511-REG	09 MAY 2012	11:13	250 mL HDPE	1	Zinc Acetate and NaOH>	Sulfide by SM4500S-2CF			N		
GW0511	KAFB-106008-WG-GW0511-REG	09 MAY 2012	11:13	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
GW0511	KAFB-106008-WG-GW0511-REG	09 MAY 2012	11:13	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2,			N		

Kirtland 952 Sumps Package

1205070

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW204

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
								Ammonia by SM4500B					
02	GW0511	KAFB-106008-WG-GW0511-REG	09 MAY 2012	11:13	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
01	GW0511	KAFB-106008-WG-GW0511-REG	09 MAY 2012	11:13	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
03	GW0512	KAFB-106008-WG-GW0512-FD	09 MAY 2012	11:13	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0512	KAFB-106008-WG-GW0512-FD	09 MAY 2012	11:13	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0512	KAFB-106008-WG-GW0512-FD	09 MAY 2012	11:13	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0512	KAFB-106008-WG-GW0512-FD	09 MAY 2012	11:13	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0512	KAFB-106008-WG-GW0512-FD	09 MAY 2012	11:13	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0512	KAFB-106008-WG-GW0512-FD	09 MAY 2012	11:13	250 mL HDPE	1	Zinc Acetate and NaOH>	Sulfide by SM4500S-2CF			N		
	GW0512	KAFB-106008-WG-GW0512-FD	09 MAY 2012	11:13	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0512	KAFB-106008-WG-GW0512-FD	09 MAY 2012	11:13	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0512	KAFB-106008-WG-GW0512-FD	09 MAY 2012	11:13	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
04	GW0512	KAFB-106008-WG-GW0512-FD	09 MAY 2012	11:13	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0570	KAFB-106028-WG-GW0570-REG	09 MAY 2012	13:09	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0570	KAFB-106028-WG-GW0570-REG	09 MAY 2012	13:09	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0570	KAFB-106028-WG-GW0570-REG	09 MAY 2012	13:09	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0570	KAFB-106028-WG-GW0570-REG	09 MAY 2012	13:09	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0570	KAFB-106028-WG-GW0570-REG	09 MAY 2012	13:09	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
06	GW0570	KAFB-106028-WG-GW0570-REG	09 MAY 2012	13:09	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0570	KAFB-106028-WG-GW0570-REG	09 MAY 2012	13:09	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0570	KAFB-106028-WG-GW0570-REG	09 MAY 2012	13:09	250 mL HDPE	1	Zinc Acetate and NaOH>	Sulfide by SM4500S-2CF			N		
	GW0570	KAFB-106028-WG-GW0570-REG	09 MAY 2012	13:09	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0570	KAFB-106028-WG-GW0570-REG	09 MAY 2012	13:09	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
07	GW0586	KAFB-106079-WG-GW0586-REG	08 MAY 2012	15:27	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0586	KAFB-106079-WG-GW0586-REG	08 MAY 2012	15:27	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0586	KAFB-106079-WG-GW0586-REG	08 MAY 2012	15:27	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0586	KAFB-106079-WG-GW0586-REG	08 MAY 2012	15:27	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		

1205070

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW204

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
07	GW0586	KAFB-106079-WG-GW0586-REG	08 MAY 2012	15:27	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0586	KAFB-106079-WG-GW0586-REG	08 MAY 2012	15:27	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
08	GW0586	KAFB-106079-WG-GW0586-REG	08 MAY 2012	15:27	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
07	GW0586	KAFB-106079-WG-GW0586-REG	08 MAY 2012	15:27	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0586	KAFB-106079-WG-GW0586-REG	08 MAY 2012	15:27	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0586	KAFB-106079-WG-GW0586-REG	08 MAY 2012	15:27	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
09	GW0599	KAFB-106091-WG-GW0599-REG	09 MAY 2012	09:59	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
10	GW0599	KAFB-106091-WG-GW0599-REG	09 MAY 2012	09:59	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
09	GW0599	KAFB-106091-WG-GW0599-REG	09 MAY 2012	09:59	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0599	KAFB-106091-WG-GW0599-REG	09 MAY 2012	09:59	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0599	KAFB-106091-WG-GW0599-REG	09 MAY 2012	09:59	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0599	KAFB-106091-WG-GW0599-REG	09 MAY 2012	09:59	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0599	KAFB-106091-WG-GW0599-REG	09 MAY 2012	09:59	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0599	KAFB-106091-WG-GW0599-REG	09 MAY 2012	09:59	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0599	KAFB-106091-WG-GW0599-REG	09 MAY 2012	09:59	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0599	KAFB-106091-WG-GW0599-REG	09 MAY 2012	09:59	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
11	GW0600	KAFB-106091-WG-GW0600-FD	09 MAY 2012	09:59	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
12	GW0600	KAFB-106091-WG-GW0600-FD	09 MAY 2012	09:59	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
11	GW0600	KAFB-106091-WG-GW0600-FD	09 MAY 2012	09:59	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0600	KAFB-106091-WG-GW0600-FD	09 MAY 2012	09:59	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0600	KAFB-106091-WG-GW0600-FD	09 MAY 2012	09:59	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0600	KAFB-106091-WG-GW0600-FD	09 MAY 2012	09:59	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0600	KAFB-106091-WG-GW0600-FD	09 MAY 2012	09:59	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0600	KAFB-106091-WG-GW0600-FD	09 MAY 2012	09:59	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0600	KAFB-106091-WG-GW0600-FD	09 MAY 2012	09:59	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0600	KAFB-106091-WG-GW0600-FD	09 MAY 2012	09:59	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		

1205070

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW204

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
13	GW0609	KAFB-106004-WG-GW0609-REG	09 MAY 2012	15:01	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
		DLO 5/9/12 08											
	GW0609	KAFB-106004-WG-GW0609-REG 08	09 MAY 2012	15:01	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0609	KAFB-106004-WG-GW0609-REG 08	09 MAY 2012	15:01	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0609	KAFB-106004-WG-GW0609-REG 08	09 MAY 2012	15:01	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0609	KAFB-106004-WG-GW0609-REG 08	09 MAY 2012	15:01	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
14	GW0609	KAFB-106004-WG-GW0609-REG 08	09 MAY 2012	15:01	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
13	GW0609	KAFB-106004-WG-GW0609-REG 08	09 MAY 2012	15:01	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0609	KAFB-106004-WG-GW0609-REG 08	09 MAY 2012	15:01	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0609	KAFB-106004-WG-GW0609-REG 08	09 MAY 2012	15:01	250 mL HDPE	1	Zinc Acetate and NaOH>	Sulfide by SM4500S-2CF			N		
	GW0609	KAFB-106004-WG-GW0609-REG 08	09 MAY 2012	15:01	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
15	GW8204-TB	FIELDQC-BW-GW8204-TB-TB	09 MAY 2012	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

Cooler Received/Opened On_ 05/10/12 @ 0820

1. Tracking # 8151 (last 4 digits, FedEx) WO# 1205070

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 2.0 Degrees Celsius + correction factor -0.2 = 1.8

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1-FRONT

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were cuatody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling procese: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA *

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 1

I certify that I unloaded the cooler and answered questions 7-14 (intial) JD

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) JD

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) JD

I certify that I attached a label with the unique LIMS number to each container (intial) JD

21. Were there Non-Conformance issues at login? YES...NO Was a NCR generated? YES...NO...#_____

Additional Details:

For Sample: GW0600, a nonpreserved 40mL Vial for EDB was broken while unloading

Cooler Received/Opened On_ 05/10/12 @ 0820

1. Tracking # 8162 (last 4 digits, FedEx) WO# 1205070

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 1.1 Degrees Celsius + correction factor - 0.2 = 0.9

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES ~~NO~~...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1-FRONT

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 2

I certify that I unloaded the cooler and answered questions 7-14 (intial) JD

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES... NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) JD

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) JD

I certify that I attached a label with the unique LIMS number to each container (intial) JD

21. Were there Non-Conformance issues at login? YES...NO Was a NCR generated? YES...NO...# ___

Additional Details:

Cooler Received/Opened On_ 05/10/12 @ 0820

1. Tracking #_8173_(last 4 digits, FedEx) WO# 1205070

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 1.5 Degrees Celsius + correction factor - 0.2 = 1.3

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES ...NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1-FRONT

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 3

I certify that I unloaded the cooler and answered questions 7-14 (intial) JD

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES... NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) JD

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the cuatody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) JD

I certify that I attached a label with the unique LIMS number to each container (intial) JD

21. Were there Non-Conformance issues at login? YES...NO Was a NCR generated? YES...NO...# —

Additional Details:

Cooler Received/Opened On_ 05/10/12 @ 0820

1. Tracking #_8184_(last 4 digits, FedEx) WO# 1205070

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 3.8 *Degrees Celsius + correction factor - 0.2* = 3.6

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES ...NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1 FRONT

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 4

I certify that I unloaded the cooler and answered questions 7-14 (intial) JD

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) JD

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) JD

I certify that I attached a label with the unique LIMS number to each container (intial) JD

21. Were there Non-Conformance issues at login? YES...NO Was a NCR generated? YES...NO...# —

Additional Details:

1205080

Shaw
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW205

Project Number: 140705
Project Name: Kirtland AFB
Sample Coordinator: Mark Lyon
Turnaround Time:

Samples Shipment Date: 10 MAY 2012
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306618195

Bill To: Shaw Environmental, Inc. - Accounts P
PO Box 98519
Baton Rouge LA 70884

Report To: Pamela Moss
7604 Technology Way, Suite 300
Denver CO 80237

Special Instructions:

Possible Hazard Indentification: Non-hazard [X] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown [ ] Radiological [ ]

Sample Disposal: Return to Client [ ] Disposal by Lab [X] Archive (mos.)

1. Relinquished By (Signature/Affiliation) Shaw	Date: 5/10/12 Time: 1200	1. Received By (Signature/Affiliation)	Date: Time:
2. Relinquished By (Signature/Affiliation)	Date: Time:	2. Received By (Signature/Affiliation)	Date: Time:
3. Relinquished By (Signature/Affiliation)	Date: Time:	3. Received By (Signature/Affiliation) jack [illegible] jr.	Date: 5-11-12 Time: 0820

Comments:

	Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01	GW0508	KAFB-106005-WG-GW0508-REG	09 MAY 2012	15:58	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
↓	GW0508	KAFB-106005-WG-GW0508-REG	09 MAY 2012	15:58	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0508	KAFB-106005-WG-GW0508-REG	09 MAY 2012	15:58	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
02	GW0508	KAFB-106005-WG-GW0508-REG	09 MAY 2012	15:58	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
01	GW0508	KAFB-106005-WG-GW0508-REG	09 MAY 2012	15:58	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
↓	GW0508	KAFB-106005-WG-GW0508-REG	09 MAY 2012	15:58	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		

Kirtland 052 Sumps Package

1205080

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW205

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01	GW0508	KAFB-106005-WG-GW0508-REG	09 MAY 2012	15:58	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0508	KAFB-106005-WG-GW0508-REG	09 MAY 2012	15:58	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0508	KAFB-106005-WG-GW0508-REG	09 MAY 2012	15:58	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0508	KAFB-106005-WG-GW0508-REG	09 MAY 2012	15:58	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
03	GW0509	KAFB-106006-WG-GW0509-REG	10 MAY 2012	11:21	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0509	KAFB-106006-WG-GW0509-REG	10 MAY 2012	11:21	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0509	KAFB-106006-WG-GW0509-REG	10 MAY 2012	11:21	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
04	GW0509	KAFB-106006-WG-GW0509-REG	10 MAY 2012	11:21	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
03	GW0509	KAFB-106006-WG-GW0509-REG	10 MAY 2012	11:21	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0509	KAFB-106006-WG-GW0509-REG	10 MAY 2012	11:21	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0509	KAFB-106006-WG-GW0509-REG	10 MAY 2012	11:21	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0509	KAFB-106006-WG-GW0509-REG	10 MAY 2012	11:21	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0509	KAFB-106006-WG-GW0509-REG	10 MAY 2012	11:21	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0509	KAFB-106006-WG-GW0509-REG	10 MAY 2012	11:21	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
05	GW0513	KAFB-106009-WG-GW0513-REG	09 MAY 2012	15:48	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0513	KAFB-106009-WG-GW0513-REG	09 MAY 2012	15:48	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
06	GW0513	KAFB-106009-WG-GW0513-REG	09 MAY 2012	15:48	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0513	KAFB-106009-WG-GW0513-REG	09 MAY 2012	15:48	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0513	KAFB-106009-WG-GW0513-REG	09 MAY 2012	15:48	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0513	KAFB-106009-WG-GW0513-REG	09 MAY 2012	15:48	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0513	KAFB-106009-WG-GW0513-REG	09 MAY 2012	15:48	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0513	KAFB-106009-WG-GW0513-REG	09 MAY 2012	15:48	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0513	KAFB-106009-WG-GW0513-REG	09 MAY 2012	15:48	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0513	KAFB-106009-WG-GW0513-REG	09 MAY 2012	15:48	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
07	GW0583	KAFB-106076-WG-GW0583-REG	10 MAY 2012	15:38	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0583	KAFB-106076-WG-GW0583-REG	10 MAY 2012	15:38	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
08	GW0583	KAFB-106076-WG-GW0583-REG	10 MAY 2012	15:38	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by			N		

1205080

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW205

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
								SW846 6010C					
07	GW0583	KAFB-106076-WG-GW0583-REG	10 MAY 2012	15:38	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0583	KAFB-106076-WG-GW0583-REG	10 MAY 2012	15:38	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0583	KAFB-106076-WG-GW0583-REG	10 MAY 2012	15:38	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0583	KAFB-106076-WG-GW0583-REG	10 MAY 2012	15:38	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0583	KAFB-106076-WG-GW0583-REG	10 MAY 2012	15:38	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0583	KAFB-106076-WG-GW0583-REG	10 MAY 2012	15:38	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0583	KAFB-106076-WG-GW0583-REG	10 MAY 2012	15:38	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
09	GW0584	KAFB-106077-WG-GW0584-REG	10 MAY 2012	11:10	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
10	GW0584	KAFB-106077-WG-GW0584-REG	10 MAY 2012	11:10	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
09 11	GW0584	KAFB-106077-WG-GW0584-REG	10 MAY 2012	11:10	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0584	KAFB-106077-WG-GW0584-REG	10 MAY 2012	11:10	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0584	KAFB-106077-WG-GW0584-REG	10 MAY 2012	11:10	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0584	KAFB-106077-WG-GW0584-REG	10 MAY 2012	11:10	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0584	KAFB-106077-WG-GW0584-REG	10 MAY 2012	11:10	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0584	KAFB-106077-WG-GW0584-REG	10 MAY 2012	11:10	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0584	KAFB-106077-WG-GW0584-REG	10 MAY 2012	11:10	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0584	KAFB-106077-WG-GW0584-REG	10 MAY 2012	11:10	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
12	GW8051-RB	FIELDQC-BW-GW8051-RB-ER	10 MAY 2012	08:22	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
11	GW8051-RB	FIELDQC-BW-GW8051-RB-ER	10 MAY 2012	08:22	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW8051-RB	FIELDQC-BW-GW8051-RB-ER	10 MAY 2012	08:22	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW8051-RB	FIELDQC-BW-GW8051-RB-ER	10 MAY 2012	08:22	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW8051-RB	FIELDQC-BW-GW8051-RB-ER	10 MAY 2012	08:22	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW8051-RB	FIELDQC-BW-GW8051-RB-ER	10 MAY 2012	08:22	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
13	GW8205-TB	FIELDQC-BW-GW8205-TB-TB	10 MAY 2012	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

Cooler Received/Opened On_ 05/11/12 @ 0820

1. Tracking #_8195_(last 4 digits, FedEx) WO# 1205080

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 0.2 Degrees Celsius + correction factor - 0.2 = 0.0

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1-FRONT

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 1

I certify that I unloaded the cooler and answered questions 7-14 (intial) JD

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES... NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) JD

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) JD

I certify that I attached a label with the unique LIMS number to each container (intial) JD

21. Were there Non-Conformance issues at login? YES...NO Was a NCR generated? YES...NO...#—

Additional Details:

Cooler Received/Opened On_ 05/11/12 @ 0820

1. Tracking #_____8200_____(last 4 digits, FedEx) WO# 1205080

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 1 Degrees Celsius + correction factor - 0.2 = 0.9

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1-FRONT

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 2

I certify that I unloaded the cooler and answered questions 7-14 (intial) JD

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) JD

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) JD

I certify that I attached a label with the unique LIMS number to each container (intial) JD

21. Were there Non-Conformance issues at login? YES...NO Was a NCR generated? YES...NO...# —

Additional Details:

Cooler Received/Opened On_ 05/11/12 @ 0820

1. Tracking # 8210 (last 4 digits, FedEx) WO# 1205080

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 4.3 *Degrees Celsius + correction factor - 0.2* = 4.1

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES..NO...NA

If yes, how many and where: 1 FRONT

5. Were the seals intact, signed, and dated correctly? YES..NO...NA

6. Were custody papers inside cooler? YES..NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) JD

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES..NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES..NO...NA

12. Did all container labels and tags agree with custody papers? YES..NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 3

I certify that I unloaded the cooler and answered questions 7-14 (intial) JD

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES.. NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES..NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) JD

17. Were custody papers properly filled out (ink, signed, etc)? YES..NO...NA

18. Did you sign the custody papers in the appropriate place? YES..NO...NA

19. Were correct containers used for the analysis requested? YES..NO...NA

20. Was sufficient amount of sample sent in each container? YES..NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) JD

I certify that I attached a label with the unique LIMS number to each container (intial) JD

21. Were there Non-Conformance issues at login? YES...NO Was a NCR generated? YES...NO...#___

Additional Details:

Cooler Received/Opened On_ 05/11/12 @ 0820

1. Tracking #_____8221_____(last 4 digits, FedEx) WO# 1205080

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 2.9 *Degrees Celsius + correction factor - 0.2* = 2.7

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1-FRONT

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 4

I certify that I unloaded the cooler and answered questions 7-14 (intial) JD

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES... NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) JD

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) JD

I certify that I attached a label with the unique LIMS number to each container (intial) JD

21. Were there Non-Conformance issues at login? YES...NO Was a NCR generated? YES...NO...#____

Additional Details:

~~1209~~ JD 5-15-12
1205096

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW206
Page 1 of 2

Project Number: 140705
Project Name: Kirtland AFB
Sample Coordinator: Mark Lyon
Turnaround Time:

Samples Shipment Date: 14 MAY 2012
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306618232

Bill To: Shaw Environmental, Inc. - Accounts P
PO Box 98519
Baton Rouge LA 70884

Report To: Pamela Moss
7604 Technology Way, Suite 300
Denver CO 80237

Special Instructions:

Possible Hazard Indentification: Non-hazard [X] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown [ ] Radiological [ ]

Sample Disposal: Return to Client [ ] Disposal by Lab [X] Archive (mos.)

1. Relinquished By (Signature/Affiliation) Shaw	Date: 5/14/12 Time: 1600	1. Received By (Signature/Affiliation)	Date: Time:
2. Relinquished By (Signature/Affiliation)	Date: Time:	2. Received By (Signature/Affiliation)	Date: Time:
3. Relinquished By (Signature/Affiliation)	Date: Time:	3. Received By (Signature/Affiliation) jack deville jr.	Date: 5-15-12 Time: 0830

Comments:

	Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01	GW0585	KAFB-106078-WG-GW0585-REG	14 MAY 2012	11:43	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0585	KAFB-106078-WG-GW0585-REG	14 MAY 2012	11:43	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0585	KAFB-106078-WG-GW0585-REG	14 MAY 2012	11:43	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0585	KAFB-106078-WG-GW0585-REG	14 MAY 2012	11:43	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0585	KAFB-106078-WG-GW0585-REG	14 MAY 2012	11:43	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
02	GW0585	KAFB-106078-WG-GW0585-REG	14 MAY 2012	11:43	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		

Kirtland 952 Sumps Package

1205096

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW206

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01	GW0585	KAFB-106078-WG-GW0585-REG	14 MAY 2012	11:43	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0585	KAFB-106078-WG-GW0585-REG	14 MAY 2012	11:43	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0585	KAFB-106078-WG-GW0585-REG	14 MAY 2012	11:43	250 mL HDPE	1	Zinc Acetate and NaOH>	Sulfide by SM4500S-2CF			N		
	GW0585	KAFB-106078-WG-GW0585-REG	14 MAY 2012	11:43	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
03	GW8206-TB	FIELDQC-BW-GW8206-TB-TB	14 MAY 2012	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

Cooler Received/Opened On_ 05/15/12 @ 0830

1. Tracking # 8232 (last 4 digits, FedEx) WO# 1205096

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 4.3 *Degrees Celsius + correction factor - 0.2* = 4.1

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES ...NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1-FRONT

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) JD

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence #

I certify that I unloaded the cooler and answered questions 7-14 (intial) JD

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES... NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) JD

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) JD

I certify that I attached a label with the unique LIMS number to each container (intial) JD

21. Were there Non-Conformance issues at login? YES...NO Was a NCR generated? YES...NO...#

Additional Details:

WORK ORDER

Printed: 5/9/2012 5:37:20PM

1205054

Empirical Laboratories, LLC

Client: Shaw E & I (I700)
Project: Kirtland AFB 2011

Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Report To:
Shaw E & I (I700)
Pamela Moss
9201 East Dry Creek
Denver, CO 80112
Phone: (720) 554-8252
Fax: (225) 932-2661

Invoice To:
Shaw E & I (I700)
Accounts Payable
PO Box 98519
Baton Rouge, LA 70884
Phone :(225) 932-2500
Fax: (225) 932-2661

Due to Client: 05/31/2012 16:00 *This is the projected due date to the client, at the time of receipt, and is for report delivery via upload, and/or email, and/or shipment to meet TAT as setup by project*

Received By: Jack Deville
Date Received: 05/09/2012 08:20
Logged In By: Jack Deville
Date Logged In: 05/09/2012 10:44

Samples Received at: **5.5°C**

Custody Seals	Yes	Received On Ice	Yes
Containers Intact	Yes		
COC/Labels Agree	Yes		
Preservation Confirme	Yes		

Method	Test Code	Due	TAT	Expires	Comments
1205054-01 GW0517 [Water] Sampled 05/07/2012 15:44 Mountain 'Client Sample'					
E300.0	WC_ANIONS_300.0 (Regular)	05/25/2012 14:00	15	06/04/2012 16:44	Cl, SO4
SW6010B	MET_ICP_6010B_FULL	05/25/2012 14:00	15	11/03/2012 16:44	Ca, Pb, K, Na, Mg
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/25/2012 14:00	15	05/14/2012 16:44	requires 3-Methlphenol/4-Methylphenol/Naphthalene
E353.2	WC_NO3NO2_N_353.2	05/25/2012 14:00	15	06/04/2012 16:44	
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/25/2012 14:00	15	06/04/2012 16:44	
SM2320B	WC_ALKALINITY_2320B	05/25/2012 14:00	15	05/21/2012 16:44	carb/bicarb
SW8260B	VOC_8260B_REG	05/25/2012 14:00	15	05/21/2012 16:44	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	05/25/2012 14:00	15	05/21/2012 16:44	
SW8011	SGC_EDB_8011	05/25/2012 14:00	15	05/21/2012 16:44	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	05/25/2012 14:00	15	05/14/2012 16:44	
SM4500S2CF	WC_SULFIDE_4500S2CF	05/25/2012 14:00	15	05/14/2012 16:44	
1205054-02 GW0517 [Water] Sampled 05/07/2012 15:44 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/25/2012 14:00	15	11/03/2012 16:44	Fe & Mn

1205054

Empirical Laboratories, LLC

Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Method	Test Code	Due	TAT	Expires	Comments
1205054-03 GW0518 [Water] Sampled 05/07/2012 11:59 Mountain 'Client Sample'					
SM4500S2CF	WC_SULFIDE_4500S2CF	05/25/2012 14:00	15	05/14/2012 12:59	
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/25/2012 14:00	15	06/04/2012 12:59	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/25/2012 14:00	15	05/14/2012 12:59	requires 3-Methlphenol/4-Methylphenol/Naphthalene
E353.2	WC_NO3NO2_N_353.2	05/25/2012 14:00	15	06/04/2012 12:59	
E300.0	WC_ANIONS_300.0 (Regular)	05/25/2012 14:00	15	06/04/2012 12:59	Cl, SO4
SW8260B	VOC_8260B_REG	05/25/2012 14:00	15	05/21/2012 12:59	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	05/25/2012 14:00	15	05/21/2012 12:59	
SW8011	SGC_EDB_8011	05/25/2012 14:00	15	05/21/2012 12:59	Run dilutions based on 8260 results!
SW6010B	MET_ICP_6010B_FULL	05/25/2012 14:00	15	11/03/2012 12:59	Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	05/25/2012 14:00	15	05/14/2012 12:59	
SM2320B	WC_ALKALINITY_2320B	05/25/2012 14:00	15	05/21/2012 12:59	carb/bicarb
1205054-04 GW0518 [Water] Sampled 05/07/2012 11:59 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/25/2012 14:00	15	11/03/2012 12:59	Fe & Mn
1205054-05 GW0563 [Water] Sampled 05/07/2012 15:51 Mountain 'Client Sample'					
SM2320B	WC_ALKALINITY_2320B	05/25/2012 14:00	15	05/21/2012 16:51	carb/bicarb
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/25/2012 14:00	15	05/14/2012 16:51	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	05/25/2012 14:00	15	05/14/2012 16:51	
E353.2	WC_NO3NO2_N_353.2	05/25/2012 14:00	15	06/04/2012 16:51	
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/25/2012 14:00	15	06/04/2012 16:51	
SW8260B	VOC_8260B_REG	05/25/2012 14:00	15	05/21/2012 16:51	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	05/25/2012 14:00	15	05/21/2012 16:51	
SW8011	SGC_EDB_8011	05/25/2012 14:00	15	05/21/2012 16:51	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	05/25/2012 14:00	15	05/14/2012 16:51	
SW6010B	MET_ICP_6010B_FULL	05/25/2012 14:00	15	11/03/2012 16:51	Ca, Pb, K, Na, Mg
E300.0	WC_ANIONS_300.0 (Regular)	05/25/2012 14:00	15	06/04/2012 16:51	Cl, SO4
1205054-06 GW0563 [Water] Sampled 05/07/2012 15:51 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/25/2012 14:00	15	11/03/2012 16:51	Fe & Mn

1205054

Empirical Laboratories, LLC

Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Method	Test Code	Due	TAT	Expires	Comments
1205054-07 GW0564 [Water] Sampled 05/07/2012 13:24 Mountain 'Client Sample'					
SM4500S2CF	WC_SULFIDE_4500S2CF	05/25/2012 14:00	15	05/14/2012 14:24	
SW8011	SGC_EDB_8011	05/25/2012 14:00	15	05/21/2012 14:24	Run dilutions based on 8260 results!
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/25/2012 14:00	15	05/14/2012 14:24	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM2320B	WC_ALKALINITY_2320B	05/25/2012 14:00	15	05/21/2012 14:24	carb/bicarb
SW8260B	VOC_8260B_REG	05/25/2012 14:00	15	05/21/2012 14:24	naphthalene must be reported
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/25/2012 14:00	15	06/04/2012 14:24	
E300.0	WC_ANIONS_300.0 (Regular)	05/25/2012 14:00	15	06/04/2012 14:24	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	05/25/2012 14:00	15	06/04/2012 14:24	
SW6010B	MET_ICP_6010B_FULL	05/25/2012 14:00	15	11/03/2012 14:24	Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	05/25/2012 14:00	15	05/14/2012 14:24	
SW8015B GRO	VGC_GRO_8015B	05/25/2012 14:00	15	05/21/2012 14:24	
1205054-08 GW0564 [Water] Sampled 05/07/2012 13:24 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/25/2012 14:00	15	11/03/2012 14:24	Fe & Mn
1205054-09 GW0565 [Water] Sampled 05/07/2012 11:09 Mountain 'Client Sample'					
SM2320B	WC_ALKALINITY_2320B	05/25/2012 14:00	15	05/21/2012 12:09	carb/bicarb
E300.0	WC_ANIONS_300.0 (Regular)	05/25/2012 14:00	15	06/04/2012 12:09	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	05/25/2012 14:00	15	06/04/2012 12:09	
SM4500S2CF	WC_SULFIDE_4500S2CF	05/25/2012 14:00	15	05/14/2012 12:09	
SW8011	SGC_EDB_8011	05/25/2012 14:00	15	05/21/2012 12:09	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	05/25/2012 14:00	15	05/14/2012 12:09	
SW8260B	VOC_8260B_REG	05/25/2012 14:00	15	05/21/2012 12:09	naphthalene must be reported
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/25/2012 14:00	15	05/14/2012 12:09	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/25/2012 14:00	15	06/04/2012 12:09	
SW6010B	MET_ICP_6010B_FULL	05/25/2012 14:00	15	11/03/2012 12:09	Ca, Pb, K, Na, Mg
SW8015B GRO	VGC_GRO_8015B	05/25/2012 14:00	15	05/21/2012 12:09	
1205054-10 GW0565 [Water] Sampled 05/07/2012 11:09 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/25/2012 14:00	15	11/03/2012 12:09	Fe & Mn

1205054

Empirical Laboratories, LLC

Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Method	Test Code	Due	TAT	Expires	Comments
1205054-11 GW0587 [Water] Sampled 05/08/2012 13:28 Mountain 'Client Sample'					
SW8260B	VOC_8260B_REG	05/25/2012 14:00	15	05/22/2012 14:28	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	05/25/2012 14:00	15	05/22/2012 14:28	carb/bicarb
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/25/2012 14:00	15	06/05/2012 14:28	
E353.2	WC_NO3NO2_N_353.2	05/25/2012 14:00	15	06/05/2012 14:28	
E300.0	WC_ANIONS_300.0 (Regular)	05/25/2012 14:00	15	06/05/2012 14:28	Cl, SO4
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/25/2012 14:00	15	05/15/2012 14:28	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	05/25/2012 14:00	15	05/15/2012 14:28	
SW8015B GRO	VGC_GRO_8015B	05/25/2012 14:00	15	05/22/2012 14:28	
SW8011	SGC_EDB_8011	05/25/2012 14:00	15	05/22/2012 14:28	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	05/25/2012 14:00	15	05/15/2012 14:28	
SW6010B	MET_ICP_6010B_FULL	05/25/2012 14:00	15	11/04/2012 14:28	Ca, Pb, K, Na, Mg
1205054-12 GW0587 [Water] Sampled 05/08/2012 13:28 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/25/2012 14:00	15	11/04/2012 14:28	Fe & Mn
1205054-13 GW0588 [Water] Sampled 05/08/2012 11:03 Mountain 'Client Sample'					
SW8015B GRO	VGC_GRO_8015B	05/25/2012 14:00	15	05/22/2012 12:03	
SM2320B	WC_ALKALINITY_2320B	05/25/2012 14:00	15	05/22/2012 12:03	carb/bicarb
SW8260B	VOC_8260B_REG	05/25/2012 14:00	15	05/22/2012 12:03	naphthalene must be reported
SW8011	SGC_EDB_8011	05/25/2012 14:00	15	05/22/2012 12:03	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	05/25/2012 14:00	15	05/15/2012 12:03	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/25/2012 14:00	15	05/15/2012 12:03	requires 3-Methlphenol/4-Methylphenol/Naphthalene
E353.2	WC_NO3NO2_N_353.2	05/25/2012 14:00	15	06/05/2012 12:03	
E300.0	WC_ANIONS_300.0 (Regular)	05/25/2012 14:00	15	06/05/2012 12:03	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/25/2012 14:00	15	06/05/2012 12:03	
SM4500S2CF	WC_SULFIDE_4500S2CF	05/25/2012 14:00	15	05/15/2012 12:03	
SW6010B	MET_ICP_6010B_FULL	05/25/2012 14:00	15	11/04/2012 12:03	Ca, Pb, K, Na, Mg
1205054-14 GW0588 [Water] Sampled 05/08/2012 11:03 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/25/2012 14:00	15	11/04/2012 12:03	Fe & Mn

1205054

Empirical Laboratories, LLC

Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Method	Test Code	Due	TAT	Expires	Comments
1205054-15 GW0589 [Water] Sampled 05/08/2012 11:03 Mountain 'Field Duplicate'					
E353.2	WC_NO3NO2_N_353.2	05/25/2012 14:00	15	06/05/2012 12:03	
SM4500S2CF	WC_SULFIDE_4500S2CF	05/25/2012 14:00	15	05/15/2012 12:03	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/25/2012 14:00	15	05/15/2012 12:03	requires 3-Methlphenol/4-Methylphenol/Naphthalene
E300.0	WC_ANIONS_300.0 (Regular)	05/25/2012 14:00	15	06/05/2012 12:03	Cl, SO4
SW8015B DRO	SGC_DRO_8015B_3510	05/25/2012 14:00	15	05/15/2012 12:03	
SW6010B	MET_ICP_6010B_FULL	05/25/2012 14:00	15	11/04/2012 12:03	Ca, Pb, K, Na, Mg
SW8011	SGC_EDB_8011	05/25/2012 14:00	15	05/22/2012 12:03	Run dilutions based on 8260 results!
SW8015B GRO	VGC_GRO_8015B	05/25/2012 14:00	15	05/22/2012 12:03	
SW8260B	VOC_8260B_REG	05/25/2012 14:00	15	05/22/2012 12:03	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	05/25/2012 14:00	15	05/22/2012 12:03	carb/bicarb
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/25/2012 14:00	15	06/05/2012 12:03	
1205054-16 GW0589 [Water] Sampled 05/08/2012 11:03 Mountain 'Field Duplicate'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/25/2012 14:00	15	11/04/2012 12:03	Fe & Mn
1205054-17 GW0610 [Water] Sampled 05/08/2012 12:45 Mountain 'Client Sample'					
E300.0	WC_ANIONS_300.0 (Regular)	05/25/2012 14:00	15	06/05/2012 13:45	Cl, SO4
SW8015B GRO	VGC_GRO_8015B	05/25/2012 14:00	15	05/22/2012 13:45	
SW8260B	VOC_8260B_REG	05/25/2012 14:00	15	05/22/2012 13:45	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	05/25/2012 14:00	15	05/22/2012 13:45	carb/bicarb
SM4500S2CF	WC_SULFIDE_4500S2CF	05/25/2012 14:00	15	05/15/2012 13:45	
SW8011	SGC_EDB_8011	05/25/2012 14:00	15	05/22/2012 13:45	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	05/25/2012 14:00	15	05/15/2012 13:45	
SW6010B	MET_ICP_6010B_FULL	05/25/2012 14:00	15	11/04/2012 13:45	Ca, Pb, K, Na, Mg
E353.2	WC_NO3NO2_N_353.2	05/25/2012 14:00	15	06/05/2012 13:45	
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/25/2012 14:00	15	06/05/2012 13:45	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/25/2012 14:00	15	05/15/2012 13:45	requires 3-Methlphenol/4-Methylphenol/Naphthalene
1205054-18 GW0610 [Water] Sampled 05/08/2012 12:45 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/25/2012 14:00	15	11/04/2012 13:45	Fe & Mn

1205054

Empirical Laboratories, LLC

Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Method	Test Code	Due	TAT	Expires	Comments
1205054-19 GW0611 [Water] Sampled 05/08/2012 12:45 Mountain 'Field Duplicate'					
SW8011	SGC_EDB_8011	05/25/2012 14:00	15	05/22/2012 13:45	Run dilutions based on 8260 results!
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/25/2012 14:00	15	05/15/2012 13:45	requires 3-Methlphenol/4-Methylphenol/Naphthalene
E353.2	WC_NO3NO2_N_353.2	05/25/2012 14:00	15	06/05/2012 13:45	
SM4500S2CF	WC_SULFIDE_4500S2CF	05/25/2012 14:00	15	05/15/2012 13:45	
E300.0	WC_ANIONS_300.0 (Regular)	05/25/2012 14:00	15	06/05/2012 13:45	Cl, SO4
SM2320B	WC_ALKALINITY_2320B	05/25/2012 14:00	15	05/22/2012 13:45	carb/bicarb
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/25/2012 14:00	15	06/05/2012 13:45	
SW8015B GRO	VGC_GRO_8015B	05/25/2012 14:00	15	05/22/2012 13:45	
SW8015B DRO	SGC_DRO_8015B_3510	05/25/2012 14:00	15	05/15/2012 13:45	
SW6010B	MET_ICP_6010B_FULL	05/25/2012 14:00	15	11/04/2012 13:45	Ca, Pb, K, Na, Mg
SW8260B	VOC_8260B_REG	05/25/2012 14:00	15	05/22/2012 13:45	naphthalene must be reported
1205054-20 GW0611 [Water] Sampled 05/08/2012 12:45 Mountain 'Field Duplicate'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/25/2012 14:00	15	11/04/2012 13:45	Fe & Mn
1205054-21 GW0612 [Water] Sampled 05/08/2012 10:31 Mountain 'Client Sample'					
SM2320B	WC_ALKALINITY_2320B	05/25/2012 14:00	15	05/22/2012 11:31	carb/bicarb
SW8260B	VOC_8260B_REG	05/25/2012 14:00	15	05/22/2012 11:31	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	05/25/2012 14:00	15	05/22/2012 11:31	
E300.0	WC_ANIONS_300.0 (Regular)	05/25/2012 14:00	15	06/05/2012 11:31	Cl, SO4
SW8011	SGC_EDB_8011	05/25/2012 14:00	15	05/22/2012 11:31	Run dilutions based on 8260 results!
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/25/2012 14:00	15	06/05/2012 11:31	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/25/2012 14:00	15	05/15/2012 11:31	requires 3-Methlphenol/4-Methylphenol/Naphthalene
E353.2	WC_NO3NO2_N_353.2	05/25/2012 14:00	15	06/05/2012 11:31	
SW8015B DRO	SGC_DRO_8015B_3510	05/25/2012 14:00	15	05/15/2012 11:31	
SW6010B	MET_ICP_6010B_FULL	05/25/2012 14:00	15	11/04/2012 11:31	Ca, Pb, K, Na, Mg
SM4500S2CF	WC_SULFIDE_4500S2CF	05/25/2012 14:00	15	05/15/2012 11:31	
1205054-22 GW0612 [Water] Sampled 05/08/2012 10:31 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/25/2012 14:00	15	11/04/2012 11:31	Fe & Mn

1205054

Empirical Laboratories, LLC

Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Method	Test Code	Due	TAT	Expires	Comments
1205054-23 GW8050-RB [Water] Sampled 05/07/2012 08:40 Mountain 'Equipment Rinsate'					
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/25/2012 14:00	15	05/14/2012 09:40	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW6010B	MET_ICP_6010B_FULL	05/25/2012 14:00	15	11/03/2012 09:40	Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	05/25/2012 14:00	15	05/14/2012 09:40	
SW8015B GRO	VGC_GRO_8015B	05/25/2012 14:00	15	05/21/2012 09:40	
SW8260B	VOC_8260B_REG	05/25/2012 14:00	15	05/21/2012 09:40	naphthalene must be reported
1205054-24 GW8050-RB [Water] Sampled 05/07/2012 08:40 Mountain 'Equipment Rinsate'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/25/2012 14:00	15	11/03/2012 09:40	Fe & Mn
1205054-25 GW8054-AB [Water] Sampled 05/07/2012 11:09 Mountain 'Ambient Blank'					
SW8260B	VOC_8260B_REG	05/25/2012 14:00	15	05/21/2012 12:09	naphthalene must be reported
1205054-26 GW8055-AB [Water] Sampled 05/08/2012 13:28 Mountain 'Ambient Blank'					
SW8260B	VOC_8260B_REG	05/25/2012 14:00	15	05/22/2012 14:28	naphthalene must be reported
1205054-27 GW8203-TB [Water] Sampled 05/07/2012 08:00 Mountain 'Trip Blank'					
SW8260B	VOC_8260B_REG	05/25/2012 14:00	15	05/21/2012 09:00	naphthalene must be reported

Reviewed By

Date

WORK ORDER

Printed: 5/10/2012 5:45:27PM

1205070

Empirical Laboratories, LLC

Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Report To:
Shaw E & I (I700)
Pamela Moss
9201 East Dry Creek
Denver, CO 80112
Phone: (720) 554-8252
Fax: (225) 932-2661

Invoice To:
Shaw E & I (I700)
Accounts Payable
PO Box 98519
Baton Rouge, LA 70884
Phone :(225) 932-2500
Fax: (225) 932-2661

Due to Client: 06/01/2012 16:00 *This is the projected due date to the client, at the time of receipt, and is for report delivery via upload, and/or email, and/or shipment to meet TAT as setup by project*

Received By: Jack Deville
Date Received: 05/10/2012 08:20
Logged In By: Jack Deville
Date Logged In: 05/10/2012 10:24

Samples Received at: **1.8°C**

Custody Seals	Yes	Received On Ice	Yes
Containers Intact	Yes		
COC/Labels Agree	Yes		
Preservation Confirme	Yes		

Method	Test Code	Due	TAT	Expires	Comments
1205070-01 GW0511 [Water] Sampled 05/09/2012 11:13 Mountain 'Client Sample'					
E300.0	WC_ANIONS_300.0 (Regular)	05/29/2012 14:00	15	06/06/2012 12:13	Cl, SO4
SW6010B	MET_ICP_6010B_FULL	05/29/2012 14:00	15	11/05/2012 12:13	Ca, Pb, K, Na, Mg
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/29/2012 14:00	15	05/16/2012 12:13	requires 3-Methlphenol/4-Methylphenol/Naphthalene
E353.2	WC_NO3NO2_N_353.2	05/29/2012 14:00	15	06/06/2012 12:13	
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/29/2012 14:00	15	06/06/2012 12:13	
SM2320B	WC_ALKALINITY_2320B	05/29/2012 14:00	15	05/23/2012 12:13	carb/bicarb
SW8260B	VOC_8260B_REG	05/29/2012 14:00	15	05/23/2012 12:13	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	05/29/2012 14:00	15	05/23/2012 12:13	
SW8011	SGC_EDB_8011	05/29/2012 14:00	15	05/23/2012 12:13	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	05/29/2012 14:00	15	05/16/2012 12:13	
SM4500S2CF	WC_SULFIDE_4500S2CF	05/29/2012 14:00	15	05/16/2012 12:13	
1205070-02 GW0511 [Water] Sampled 05/09/2012 11:13 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/29/2012 14:00	15	11/05/2012 12:13	Fe & Mn

1205070

Empirical Laboratories, LLC

Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Method	Test Code	Due	TAT	Expires	Comments
1205070-03 GW0512 [Water] Sampled 05/09/2012 11:13 Mountain 'Field Duplicate'					
E353.2	WC_NO3NO2_N_353.2	05/29/2012 14:00	15	06/06/2012 12:13	
SM2320B	WC_ALKALINITY_2320B	05/29/2012 14:00	15	05/23/2012 12:13	carb/bicarb
SM4500S2CF	WC_SULFIDE_4500S2CF	05/29/2012 14:00	15	05/16/2012 12:13	
E300.0	WC_ANIONS_300.0 (Regular)	05/29/2012 14:00	15	06/06/2012 12:13	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/29/2012 14:00	15	06/06/2012 12:13	
SW8015B GRO	VGC_GRO_8015B	05/29/2012 14:00	15	05/23/2012 12:13	
SW8011	SGC_EDB_8011	05/29/2012 14:00	15	05/23/2012 12:13	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	05/29/2012 14:00	15	05/16/2012 12:13	
SW6010B	MET_ICP_6010B_FULL	05/29/2012 14:00	15	11/05/2012 12:13	Ca, Pb, K, Na, Mg
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/29/2012 14:00	15	05/16/2012 12:13	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8260B	VOC_8260B_REG	05/29/2012 14:00	15	05/23/2012 12:13	naphthalene must be reported
1205070-04 GW0512 [Water] Sampled 05/09/2012 11:13 Mountain 'Field Duplicate'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/29/2012 14:00	15	11/05/2012 12:13	Fe & Mn
1205070-05 GW0570 [Water] Sampled 05/09/2012 13:09 Mountain 'Client Sample'					
SW8260B	VOC_8260B_REG	05/29/2012 14:00	15	05/23/2012 14:09	naphthalene must be reported
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/29/2012 14:00	15	05/16/2012 14:09	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	05/29/2012 14:00	15	05/16/2012 14:09	
E353.2	WC_NO3NO2_N_353.2	05/29/2012 14:00	15	06/06/2012 14:09	
E300.0	WC_ANIONS_300.0 (Regular)	05/29/2012 14:00	15	06/06/2012 14:09	Cl, SO4
SM2320B	WC_ALKALINITY_2320B	05/29/2012 14:00	15	05/23/2012 14:09	carb/bicarb
SW8015B GRO	VGC_GRO_8015B	05/29/2012 14:00	15	05/23/2012 14:09	
SW8011	SGC_EDB_8011	05/29/2012 14:00	15	05/23/2012 14:09	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	05/29/2012 14:00	15	05/16/2012 14:09	
SW6010B	MET_ICP_6010B_FULL	05/29/2012 14:00	15	11/05/2012 14:09	Ca, Pb, K, Na, Mg
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/29/2012 14:00	15	06/06/2012 14:09	
1205070-06 GW0570 [Water] Sampled 05/09/2012 13:09 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/29/2012 14:00	15	11/05/2012 14:09	Fe & Mn

1205070

Empirical Laboratories, LLC

Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Method	Test Code	Due	TAT	Expires	Comments
1205070-07 GW0586 [Water] Sampled 05/08/2012 15:27 Mountain 'Client Sample'					
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/29/2012 14:00	15	05/15/2012 16:27	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW6010B	MET_ICP_6010B_FULL	05/29/2012 14:00	15	11/04/2012 16:27	Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	05/29/2012 14:00	15	05/15/2012 16:27	
SW8011	SGC_EDB_8011	05/29/2012 14:00	15	05/22/2012 16:27	Run dilutions based on 8260 results!
SW8015B GRO	VGC_GRO_8015B	05/29/2012 14:00	15	05/22/2012 16:27	
SW8260B	VOC_8260B_REG	05/29/2012 14:00	15	05/22/2012 16:27	naphthalene must be reported
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/29/2012 14:00	15	06/05/2012 16:27	
SM4500S2CF	WC_SULFIDE_4500S2CF	05/29/2012 14:00	15	05/15/2012 16:27	
E353.2	WC_NO3NO2_N_353.2	05/29/2012 14:00	15	06/05/2012 16:27	
E300.0	WC_ANIONS_300.0 (Regular)	05/29/2012 14:00	15	06/05/2012 16:27	Cl, SO4
SM2320B	WC_ALKALINITY_2320B	05/29/2012 14:00	15	05/22/2012 16:27	carb/bicarb
1205070-08 GW0586 [Water] Sampled 05/08/2012 15:27 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/29/2012 14:00	15	11/04/2012 16:27	Fe & Mn
1205070-09 GW0599 [Water] Sampled 05/09/2012 09:59 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL	05/29/2012 14:00	15	11/05/2012 10:59	Ca, Pb, K, Na, Mg
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/29/2012 14:00	15	06/06/2012 10:59	
SM2320B	WC_ALKALINITY_2320B	05/29/2012 14:00	15	05/23/2012 10:59	carb/bicarb
SW8260B	VOC_8260B_REG	05/29/2012 14:00	15	05/23/2012 10:59	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	05/29/2012 14:00	15	05/23/2012 10:59	
SW8011	SGC_EDB_8011	05/29/2012 14:00	15	05/23/2012 10:59	Run dilutions based on 8260 results!
E353.2	WC_NO3NO2_N_353.2	05/29/2012 14:00	15	06/06/2012 10:59	
SW8015B DRO	SGC_DRO_8015B_3510	05/29/2012 14:00	15	05/16/2012 10:59	
E300.0	WC_ANIONS_300.0 (Regular)	05/29/2012 14:00	15	06/06/2012 10:59	Cl, SO4
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/29/2012 14:00	15	05/16/2012 10:59	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	05/29/2012 14:00	15	05/16/2012 10:59	
1205070-10 GW0599 [Water] Sampled 05/09/2012 09:59 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/29/2012 14:00	15	11/05/2012 10:59	Fe & Mn

1205070

Empirical Laboratories, LLC

Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Method	Test Code	Due	TAT	Expires	Comments
1205070-11 GW0600 [Water] Sampled 05/09/2012 09:59 Mountain 'Field Duplicate'					
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/29/2012 14:00	15	06/06/2012 10:59	
SW8015B DRO	SGC_DRO_8015B_3510	05/29/2012 14:00	15	05/16/2012 10:59	
SW8015B GRO	VGC_GRO_8015B	05/29/2012 14:00	15	05/23/2012 10:59	
SM4500S2CF	WC_SULFIDE_4500S2CF	05/29/2012 14:00	15	05/16/2012 10:59	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/29/2012 14:00	15	05/16/2012 10:59	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8260B	VOC_8260B_REG	05/29/2012 14:00	15	05/23/2012 10:59	naphthalene must be reported
SW8011	SGC_EDB_8011	05/29/2012 14:00	15	05/23/2012 10:59	Run dilutions based on 8260 results!
SM2320B	WC_ALKALINITY_2320B	05/29/2012 14:00	15	05/23/2012 10:59	carb/bicarb
SW6010B	MET_ICP_6010B_FULL	05/29/2012 14:00	15	11/05/2012 10:59	Ca, Pb, K, Na, Mg
E300.0	WC_ANIONS_300.0 (Regular)	05/29/2012 14:00	15	06/06/2012 10:59	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	05/29/2012 14:00	15	06/06/2012 10:59	
1205070-12 GW0600 [Water] Sampled 05/09/2012 09:59 Mountain 'Field Duplicate'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/29/2012 14:00	15	11/05/2012 10:59	Fe & Mn
1205070-13 GW0609 [Water] Sampled 05/08/2012 15:01 Mountain 'Field Duplicate'					
SW6010B	MET_ICP_6010B_FULL	05/29/2012 14:00	15	11/04/2012 16:01	Ca, Pb, K, Na, Mg
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/29/2012 14:00	15	06/05/2012 16:01	
E300.0	WC_ANIONS_300.0 (Regular)	05/29/2012 14:00	15	06/05/2012 16:01	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	05/29/2012 14:00	15	06/05/2012 16:01	
SW8260B	VOC_8260B_REG	05/29/2012 14:00	15	05/22/2012 16:01	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	05/29/2012 14:00	15	05/22/2012 16:01	carb/bicarb
SW8015B GRO	VGC_GRO_8015B	05/29/2012 14:00	15	05/22/2012 16:01	
SW8015B DRO	SGC_DRO_8015B_3510	05/29/2012 14:00	15	05/15/2012 16:01	
SW8011	SGC_EDB_8011	05/29/2012 14:00	15	05/22/2012 16:01	Run dilutions based on 8260 results!
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/29/2012 14:00	15	05/15/2012 16:01	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	05/29/2012 14:00	15	05/15/2012 16:01	
1205070-14 GW0609 [Water] Sampled 05/08/2012 15:01 Mountain 'Field Duplicate'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/29/2012 14:00	15	11/04/2012 16:01	Fe & Mn
1205070-15 GW8204-TB [Water] Sampled 05/09/2012 08:00 Mountain 'Trip Blank'					
SW8260B	VOC_8260B_REG	05/29/2012 14:00	15	05/23/2012 09:00	naphthalene must be reported

Reviewed By

Date

WORK ORDER

Printed: 5/14/2012 10:55:55AM

1205080

Empirical Laboratories, LLC

Client: Shaw E & I (I700)
Project: Kirtland AFB 2011

Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Report To:
Shaw E & I (I700)
Pamela Moss
9201 East Dry Creek
Denver, CO 80112
Phone: (720) 554-8252
Fax: (225) 932-2661

Invoice To:
Shaw E & I (I700)
Accounts Payable
PO Box 98519
Baton Rouge, LA 70884
Phone :(225) 932-2500
Fax: (225) 932-2661

Due to Client: 06/04/2012 16:00 *This is the projected due date to the client, at the time of receipt, and is for report delivery via upload, and/or email, and/or shipment to meet TAT as setup by project*

Received By: Jack Deville — Date Received: 05/11/2012 08:20

Logged In By: Jack Deville — Date Logged In: 05/11/2012 09:42

Samples Received at: **0°C**

Custody Seals	Yes	Received On Ice	Yes
Containers Intact	Yes		
COC/Labels Agree	Yes		
Preservation Confirme	Yes		

Method	Test Code	Due	TAT	Expires	Comments
1205080-01 GW0508 [Water] Sampled 05/09/2012 15:58 Mountain 'Client Sample'					
SW8015B GRO	VGC_GRO_8015B	05/30/2012 14:00	15	05/23/2012 16:58	
SW6010B	MET_ICP_6010B_FULL	05/30/2012 14:00	15	11/05/2012 16:58	Ca, Pb, K, Na, Mg
SW8011	SGC_EDB_8011	05/30/2012 14:00	15	05/23/2012 16:58	Run dilutions based on 8260 results!
SW8260B	VOC_8260B_REG	05/30/2012 14:00	15	05/23/2012 16:58	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	05/30/2012 14:00	15	05/23/2012 16:58	carb/bicarb
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/30/2012 14:00	15	05/16/2012 16:58	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B DRO	SGC_DRO_8015B_3510	05/30/2012 14:00	15	05/16/2012 16:58	
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/30/2012 14:00	15	06/06/2012 16:58	
E353.2	WC_NO3NO2_N_353.2	05/30/2012 14:00	15	06/06/2012 16:58	
E300.0	WC_ANIONS_300.0 (Regular)	05/30/2012 14:00	15	06/06/2012 16:58	Cl, SO4
SM4500S2CF	WC_SULFIDE_4500S2CF	05/30/2012 14:00	15	05/16/2012 16:58	
1205080-02 GW0508 [Water] Sampled 05/09/2012 15:58 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/30/2012 14:00	15	11/05/2012 16:58	Fe & Mn

1205080

Empirical Laboratories, LLC

Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Method	Test Code	Due	TAT	Expires	Comments
1205080-03 GW0509 [Water] Sampled 05/10/2012 11:21 Mountain 'Client Sample'					
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/30/2012 14:00	15	06/07/2012 12:21	
SW8260B	VOC_8260B_REG	05/30/2012 14:00	15	05/24/2012 12:21	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	05/30/2012 14:00	15	05/24/2012 12:21	
SW8011	SGC_EDB_8011	05/30/2012 14:00	15	05/24/2012 12:21	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	05/30/2012 14:00	15	05/17/2012 12:21	
E300.0	WC_ANIONS_300.0 (Regular)	05/30/2012 14:00	15	06/07/2012 12:21	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	05/30/2012 14:00	15	06/07/2012 12:21	
SM4500S2CF	WC_SULFIDE_4500S2CF	05/30/2012 14:00	15	05/17/2012 12:21	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/30/2012 14:00	15	05/17/2012 12:21	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM2320B	WC_ALKALINITY_2320B	05/30/2012 14:00	15	05/24/2012 12:21	carb/bicarb
SW6010B	MET_ICP_6010B_FULL	05/30/2012 14:00	15	11/06/2012 12:21	Ca, Pb, K, Na, Mg
1205080-04 GW0509 [Water] Sampled 05/10/2012 11:21 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/30/2012 14:00	15	11/06/2012 12:21	Fe & Mn
1205080-05 GW0513 [Water] Sampled 05/09/2012 15:48 Mountain 'Client Sample'					
SW8260B	VOC_8260B_REG	05/30/2012 14:00	15	05/23/2012 16:48	naphthalene must be reported
E300.0	WC_ANIONS_300.0 (Regular)	05/30/2012 14:00	15	06/06/2012 16:48	Cl, SO4
SM4500S2CF	WC_SULFIDE_4500S2CF	05/30/2012 14:00	15	05/16/2012 16:48	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/30/2012 14:00	15	05/16/2012 16:48	requires 3-Methlphenol/4-Methylphenol/Naphthalene
E353.2	WC_NO3NO2_N_353.2	05/30/2012 14:00	15	06/06/2012 16:48	
SM2320B	WC_ALKALINITY_2320B	05/30/2012 14:00	15	05/23/2012 16:48	carb/bicarb
SW8015B GRO	VGC_GRO_8015B	05/30/2012 14:00	15	05/23/2012 16:48	
SW8015B DRO	SGC_DRO_8015B_3510	05/30/2012 14:00	15	05/16/2012 16:48	
SW6010B	MET_ICP_6010B_FULL	05/30/2012 14:00	15	11/05/2012 16:48	Ca, Pb, K, Na, Mg
SW8011	SGC_EDB_8011	05/30/2012 14:00	15	05/23/2012 16:48	Run dilutions based on 8260 results!
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/30/2012 14:00	15	06/06/2012 16:48	
1205080-06 GW0513 [Water] Sampled 05/09/2012 15:48 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/30/2012 14:00	15	11/05/2012 16:48	Fe & Mn

1205080

Empirical Laboratories, LLC

Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Method	Test Code	Due	TAT	Expires	Comments
1205080-07 GW0583 [Water] Sampled 05/10/2012 15:38 Mountain 'Client Sample'					
SW8015B DRO	SGC_DRO_8015B_3510	05/30/2012 14:00	15	05/17/2012 16:38	
SW8260B	VOC_8260B_REG	05/30/2012 14:00	15	05/24/2012 16:38	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	05/30/2012 14:00	15	05/24/2012 16:38	carb/bicarb
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/30/2012 14:00	15	06/07/2012 16:38	
E300.0	WC_ANIONS_300.0 (Regular)	05/30/2012 14:00	15	06/07/2012 16:38	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	05/30/2012 14:00	15	06/07/2012 16:38	
SM4500S2CF	WC_SULFIDE_4500S2CF	05/30/2012 14:00	15	05/17/2012 16:38	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/30/2012 14:00	15	05/17/2012 16:38	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8011	SGC_EDB_8011	05/30/2012 14:00	15	05/24/2012 16:38	Run dilutions based on 8260 results!
SW6010B	MET_ICP_6010B_FULL	05/30/2012 14:00	15	11/06/2012 16:38	Ca, Pb, K, Na, Mg
SW8015B GRO	VGC_GRO_8015B	05/30/2012 14:00	15	05/24/2012 16:38	
1205080-08 GW0583 [Water] Sampled 05/10/2012 15:38 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/30/2012 14:00	15	11/06/2012 16:38	Fe & Mn
1205080-09 GW0584 [Water] Sampled 05/10/2012 11:10 Mountain 'Client Sample'					
E300.0	WC_ANIONS_300.0 (Regular)	05/30/2012 14:00	15	06/07/2012 12:10	Cl, SO4
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/30/2012 14:00	15	05/17/2012 12:10	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B DRO	SGC_DRO_8015B_3510	05/30/2012 14:00	15	05/17/2012 12:10	
SW8011	SGC_EDB_8011	05/30/2012 14:00	15	05/24/2012 12:10	Run dilutions based on 8260 results!
SW8015B GRO	VGC_GRO_8015B	05/30/2012 14:00	15	05/24/2012 12:10	
SW8260B	VOC_8260B_REG	05/30/2012 14:00	15	05/24/2012 12:10	naphthalene must be reported
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/30/2012 14:00	15	06/07/2012 12:10	
E353.2	WC_NO3NO2_N_353.2	05/30/2012 14:00	15	06/07/2012 12:10	
SM4500S2CF	WC_SULFIDE_4500S2CF	05/30/2012 14:00	15	05/17/2012 12:10	
SW6010B	MET_ICP_6010B_FULL	05/30/2012 14:00	15	11/06/2012 12:10	Ca, Pb, K, Na, Mg
SM2320B	WC_ALKALINITY_2320B	05/30/2012 14:00	15	05/24/2012 12:10	carb/bicarb
1205080-10 GW0584 [Water] Sampled 05/10/2012 11:10 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/30/2012 14:00	15	11/06/2012 12:10	Fe & Mn

1205080

Empirical Laboratories, LLC

Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Method	Test Code	Due	TAT	Expires	Comments
1205080-11 GW8051-RB [Water] Sampled 05/10/2012 08:22 Mountain 'Equipment Rinsate'					
SW8015B DRO	SGC_DRO_8015B_3510	05/30/2012 14:00	15	05/17/2012 09:22	
SW8015B GRO	VGC_GRO_8015B	05/30/2012 14:00	15	05/24/2012 09:22	
SW8260B	VOC_8260B_REG	05/30/2012 14:00	15	05/24/2012 09:22	naphthalene must be reported
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/30/2012 14:00	15	05/17/2012 09:22	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW6010B	MET_ICP_6010B_FULL	05/30/2012 14:00	15	11/06/2012 09:22	Ca, Pb, K, Na, Mg
1205080-12 GW8051-RB [Water] Sampled 05/10/2012 08:22 Mountain 'Equipment Rinsate'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/30/2012 14:00	15	11/06/2012 09:22	Fe & Mn
1205080-13 GW8205-TB [Water] Sampled 05/10/2012 08:00 Mountain 'Trip Blank'					
SW8260B	VOC_8260B_REG	05/30/2012 14:00	15	05/24/2012 09:00	naphthalene must be reported

Reviewed By

Date

WORK ORDER

Printed: 5/15/2012 11:40:58AM

1205096

Empirical Laboratories, LLC

Client: Shaw E & I (I700)
Project: Kirtland AFB 2011

Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Report To:
Shaw E & I (I700)
Pamela Moss
9201 East Dry Creek
Denver, CO 80112
Phone: (720) 554-8252
Fax: (225) 932-2661

Invoice To:
Shaw E & I (I700)
Accounts Payable
PO Box 98519
Baton Rouge, LA 70884
Phone :(225) 932-2500
Fax: (225) 932-2661

Due to Client: 06/06/2012 16:00 *This is the projected due date to the client, at the time of receipt, and is for report delivery via upload, and/or email, and/or shipment to meet TAT as setup by project*

Received By: Jack Deville — Date Received: 05/15/2012 08:30

Logged In By: Jack Deville — Date Logged In: 05/15/2012 09:35

Samples Received at: **4.1°C**

Custody Seals	Yes	Received On Ice	Yes
Containers Intact	Yes		
COC/Labels Agree	Yes		
Preservation Confirme	Yes		

Method	Test Code	Due	TAT	Expires	Comments
1205096-01 GW0585 [Water] Sampled 05/14/2012 11:43 Mountain 'Client Sample'					
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	06/01/2012 14:00	15	05/21/2012 12:43	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	06/01/2012 14:00	15	05/21/2012 12:43	
E353.2	WC_NO3NO2_N_353.2	06/01/2012 14:00	15	06/11/2012 12:43	
E300.0	WC_ANIONS_300.0 (Regular)	06/01/2012 14:00	15	06/11/2012 12:43	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	06/01/2012 14:00	15	06/11/2012 12:43	
SM2320B	WC_ALKALINITY_2320B	06/01/2012 14:00	15	05/28/2012 12:43	carb/bicarb
SW8260B	VOC_8260B_REG	06/01/2012 14:00	15	05/28/2012 12:43	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	06/01/2012 14:00	15	05/28/2012 12:43	
SW8011	SGC_EDB_8011	06/01/2012 14:00	15	05/28/2012 12:43	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	06/01/2012 14:00	15	05/21/2012 12:43	
SW6010B	MET_ICP_6010B_FULL	06/01/2012 14:00	15	11/10/2012 12:43	Ca, Pb, K, Na, Mg
1205096-02 GW0585 [Water] Sampled 05/14/2012 11:43 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	06/01/2012 14:00	15	11/10/2012 12:43	Fe & Mn
1205096-03 GW8206-TB [Water] Sampled 05/14/2012 08:00 Mountain 'Trip Blank'					
SW8260B	VOC_8260B_REG	06/01/2012 14:00	15	05/28/2012 09:00	naphthalene must be reported

Reviewed By _____ Date _____

Sample Delivery Group Assignment Form

CLIENT: Shaw E & I (I700)
PROJECT NAME: Kirtland AFB 2011
SDG #: Kirtland_053
MATRIX: Water

QC LEVEL: Level IV
Report Due: 5/31/2012 - 6/6/2012
Client Sample Count: 38

Sample Type	Sampled	Received	Lab ID	Client ID	E300.0	E353.2	SM2320B	SM4500NH3BG	SM4500S2CF
Client Sample	5/7/2012	5/9/2012	1205054-01	GW0517	X	X	X	X	X
Client Sample	5/7/2012	5/9/2012	1205054-02	GW0517					
Client Sample	5/7/2012	5/9/2012	1205054-03	GW0518	X	X	X	X	X
Client Sample	5/7/2012	5/9/2012	1205054-04	GW0518					
Client Sample	5/7/2012	5/9/2012	1205054-05	GW0563	X	X	X	X	X
Client Sample	5/7/2012	5/9/2012	1205054-06	GW0563					
Client Sample	5/7/2012	5/9/2012	1205054-07	GW0564	X	X	X	X	X
Client Sample	5/7/2012	5/9/2012	1205054-08	GW0564					
Client Sample	5/7/2012	5/9/2012	1205054-09	GW0565	X	X	X	X	X
Client Sample	5/7/2012	5/9/2012	1205054-10	GW0565					
Client Sample	5/8/2012	5/9/2012	1205054-11	GW0587	X	X	X	X	X
Client Sample	5/8/2012	5/9/2012	1205054-12	GW0587					
Client Sample	5/8/2012	5/9/2012	1205054-13	GW0588	X	X	X	X	X
Client Sample	5/8/2012	5/9/2012	1205054-14	GW0588					
Field Duplicate	5/8/2012	5/9/2012	1205054-15	GW0589	X	X	X	X	X
Field Duplicate	5/8/2012	5/9/2012	1205054-16	GW0589					
Client Sample	5/8/2012	5/9/2012	1205054-17	GW0610	X	X	X	X	X
Client Sample	5/8/2012	5/9/2012	1205054-18	GW0610					
Field Duplicate	5/8/2012	5/9/2012	1205054-19	GW0611	X	X	X	X	X
Field Duplicate	5/8/2012	5/9/2012	1205054-20	GW0611					
Client Sample	5/8/2012	5/9/2012	1205054-21	GW0612	X	X	X	X	X
Client Sample	5/8/2012	5/9/2012	1205054-22	GW0612					
Equipment Rinsate	5/7/2012	5/9/2012	1205054-23	GW8050-RB					
Equipment Rinsate	5/7/2012	5/9/2012	1205054-24	GW8050-RB					
Ambient Blank	5/7/2012	5/9/2012	1205054-25	GW8054-AB					
Ambient Blank	5/8/2012	5/9/2012	1205054-26	GW8055-AB					
Trip Blank	5/7/2012	5/9/2012	1205054-27	GW8203-TB					
Client Sample	5/9/2012	5/10/2012	1205070-01	GW0511	X	X	X	X	X
Client Sample	5/9/2012	5/10/2012	1205070-02	GW0511					
Field Duplicate	5/9/2012	5/10/2012	1205070-03	GW0512	X	X	X	X	X
Field Duplicate	5/9/2012	5/10/2012	1205070-04	GW0512					
Client Sample	5/9/2012	5/10/2012	1205070-05	GW0570	X	X	X	X	X
Client Sample	5/9/2012	5/10/2012	1205070-06	GW0570					
Client Sample	5/8/2012	5/10/2012	1205070-07	GW0586	X	X	X	X	X
Client Sample	5/8/2012	5/10/2012	1205070-08	GW0586					
Client Sample	5/9/2012	5/10/2012	1205070-09	GW0599	X	X	X	X	X
Client Sample	5/9/2012	5/10/2012	1205070-10	GW0599					

Sample Type	Sampled	Received	Lab ID	Client ID	E300.0	E353.2	SM2320B	SM4500NH3BG	SM4500S2CF
Field Duplicate	5/9/2012	5/10/2012	1205070-11	GW0600	X	X	X	X	X
Field Duplicate	5/9/2012	5/10/2012	1205070-12	GW0600					
Field Duplicate	5/8/2012	5/10/2012	1205070-13	GW0609	X	X	X	X	X
Field Duplicate	5/8/2012	5/10/2012	1205070-14	GW0609					
Trip Blank	5/9/2012	5/10/2012	1205070-15	GW8204-TB					
Client Sample	5/9/2012	5/11/2012	1205080-01	GW0508	X	X	X	X	X
Client Sample	5/9/2012	5/11/2012	1205080-02	GW0508					
Client Sample	5/10/2012	5/11/2012	1205080-03	GW0509	X	X	X	X	X
Client Sample	5/10/2012	5/11/2012	1205080-04	GW0509					
Client Sample	5/9/2012	5/11/2012	1205080-05	GW0513	X	X	X	X	X
Client Sample	5/9/2012	5/11/2012	1205080-06	GW0513					
Client Sample	5/10/2012	5/11/2012	1205080-07	GW0583	X	X	X	X	X
Client Sample	5/10/2012	5/11/2012	1205080-08	GW0583					
Client Sample	5/10/2012	5/11/2012	1205080-09	GW0584	X	X	X	X	X
Client Sample	5/10/2012	5/11/2012	1205080-10	GW0584					
Equipment Rinsate	5/10/2012	5/11/2012	1205080-11	GW8051-RB					
Equipment Rinsate	5/10/2012	5/11/2012	1205080-12	GW8051-RB					
Trip Blank	5/10/2012	5/11/2012	1205080-13	GW8205-TB					
Client Sample	5/14/2012	5/15/2012	1205096-01	GW0585	X	X	X	X	X
Client Sample	5/14/2012	5/15/2012	1205096-02	GW0585					
Trip Blank	5/14/2012	5/15/2012	1205096-03	GW8206-TB					

Sample Type	Sampled	Received	Lab ID	Client ID	SW6010B	SW8011	SW8015B DRO	SW8015B GRO	SW8260B	SW8270C
Client Sample	5/7/2012	5/9/2012	1205054-01	GW0517	X	X	X	X	X	X
Client Sample	5/7/2012	5/9/2012	1205054-02	GW0517	X					
Client Sample	5/7/2012	5/9/2012	1205054-03	GW0518	X	X	X	X	X	X
Client Sample	5/7/2012	5/9/2012	1205054-04	GW0518	X					
Client Sample	5/7/2012	5/9/2012	1205054-05	GW0563	X	X	X	X	X	X
Client Sample	5/7/2012	5/9/2012	1205054-06	GW0563	X					
Client Sample	5/7/2012	5/9/2012	1205054-07	GW0564	X	X	X	X	X	X
Client Sample	5/7/2012	5/9/2012	1205054-08	GW0564	X					
Client Sample	5/7/2012	5/9/2012	1205054-09	GW0565	X	X	X	X	X	X
Client Sample	5/7/2012	5/9/2012	1205054-10	GW0565	X					
Client Sample	5/8/2012	5/9/2012	1205054-11	GW0587	X	X	X	X	X	X
Client Sample	5/8/2012	5/9/2012	1205054-12	GW0587	X					
Client Sample	5/8/2012	5/9/2012	1205054-13	GW0588	X	X	X	X	X	X
Client Sample	5/8/2012	5/9/2012	1205054-14	GW0588	X					
Field Duplicate	5/8/2012	5/9/2012	1205054-15	GW0589	X	X	X	X	X	X
Field Duplicate	5/8/2012	5/9/2012	1205054-16	GW0589	X					
Client Sample	5/8/2012	5/9/2012	1205054-17	GW0610	X	X	X	X	X	X
Client Sample	5/8/2012	5/9/2012	1205054-18	GW0610	X					
Field Duplicate	5/8/2012	5/9/2012	1205054-19	GW0611	X	X	X	X	X	X
Field Duplicate	5/8/2012	5/9/2012	1205054-20	GW0611	X					
Client Sample	5/8/2012	5/9/2012	1205054-21	GW0612	X	X	X	X	X	X

Sample Type	Sampled	Received	Lab ID	Client ID	SW6010B	SW8011	SW8015B DRO	SW8015B GRO	SW8260B	SW8270C
Client Sample	5/8/2012	5/9/2012	1205054-22	GW0612	X					
Equipment Rinsate	5/7/2012	5/9/2012	1205054-23	GW8050-RB	X		X	X	X	X
Equipment Rinsate	5/7/2012	5/9/2012	1205054-24	GW8050-RB	X					
Ambient Blank	5/7/2012	5/9/2012	1205054-25	GW8054-AB					X	
Ambient Blank	5/8/2012	5/9/2012	1205054-26	GW8055-AB					X	
Trip Blank	5/7/2012	5/9/2012	1205054-27	GW8203-TB					X	
Client Sample	5/9/2012	5/10/2012	1205070-01	GW0511	X	X	X	X	X	X
Client Sample	5/9/2012	5/10/2012	1205070-02	GW0511	X					
Field Duplicate	5/9/2012	5/10/2012	1205070-03	GW0512	X	X	X	X	X	X
Field Duplicate	5/9/2012	5/10/2012	1205070-04	GW0512	X					
Client Sample	5/9/2012	5/10/2012	1205070-05	GW0570	X	X	X	X	X	X
Client Sample	5/9/2012	5/10/2012	1205070-06	GW0570	X					
Client Sample	5/8/2012	5/10/2012	1205070-07	GW0586	X	X	X	X	X	X
Client Sample	5/8/2012	5/10/2012	1205070-08	GW0586	X					
Client Sample	5/9/2012	5/10/2012	1205070-09	GW0599	X	X	X	X	X	X
Client Sample	5/9/2012	5/10/2012	1205070-10	GW0599	X					
Field Duplicate	5/9/2012	5/10/2012	1205070-11	GW0600	X	X	X	X	X	X
Field Duplicate	5/9/2012	5/10/2012	1205070-12	GW0600	X					
Field Duplicate	5/8/2012	5/10/2012	1205070-13	GW0609	X	X	X	X	X	X
Field Duplicate	5/8/2012	5/10/2012	1205070-14	GW0609	X					
Trip Blank	5/9/2012	5/10/2012	1205070-15	GW8204-TB					X	
Client Sample	5/9/2012	5/11/2012	1205080-01	GW0508	X	X	X	X	X	X
Client Sample	5/9/2012	5/11/2012	1205080-02	GW0508	X					
Client Sample	5/10/2012	5/11/2012	1205080-03	GW0509	X	X	X	X	X	X
Client Sample	5/10/2012	5/11/2012	1205080-04	GW0509	X					
Client Sample	5/9/2012	5/11/2012	1205080-05	GW0513	X	X	X	X	X	X
Client Sample	5/9/2012	5/11/2012	1205080-06	GW0513	X					
Client Sample	5/10/2012	5/11/2012	1205080-07	GW0583	X	X	X	X	X	X
Client Sample	5/10/2012	5/11/2012	1205080-08	GW0583	X					
Client Sample	5/10/2012	5/11/2012	1205080-09	GW0584	X	X	X	X	X	X
Client Sample	5/10/2012	5/11/2012	1205080-10	GW0584	X					
Equipment Rinsate	5/10/2012	5/11/2012	1205080-11	GW8051-RB	X		X	X	X	X
Equipment Rinsate	5/10/2012	5/11/2012	1205080-12	GW8051-RB	X					
Trip Blank	5/10/2012	5/11/2012	1205080-13	GW8205-TB					X	
Client Sample	5/14/2012	5/15/2012	1205096-01	GW0585	X	X	X	X	X	X
Client Sample	5/14/2012	5/15/2012	1205096-02	GW0585	X					
Trip Blank	5/14/2012	5/15/2012	1205096-03	GW8206-TB					X	

Data for SW8260B Forms

ANALYSIS DATA SHEET

GW0517

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-01	File ID:	0505401D.D
Sampled:	05/07/12 15:44	Prepared:	05/10/12 00:00	Analyzed:	05/10/12 16:12
Solids:		Preparation:	5030B	Dilution:	100

Batch: 2E10007 Sequence: 2E13201 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	2960	250	500	1000	Y, D
71-43-2	Benzene	8020	25.0	50.0	100	D
108-86-1	Bromobenzene		25.0	50.0	100	U
74-97-5	Bromochloromethane		25.0	50.0	100	U
75-27-4	Bromodichloromethane		25.0	50.0	100	U
75-25-2	Bromoform		25.0	50.0	100	U
74-83-9	Bromomethane		50.0	100	200	U
104-51-8	n-Butylbenzene		25.0	50.0	100	U
78-93-3	2-Butanone	1100	250	500	1000	D
135-98-8	sec-Butylbenzene		25.0	50.0	100	U
98-06-6	tert-Butylbenzene		25.0	50.0	100	U
75-15-0	Carbon disulfide	27.0	25.0	50.0	100	J, D
56-23-5	Carbon tetrachloride		25.0	50.0	100	X, U
108-90-7	Chlorobenzene		25.0	50.0	100	U
75-00-3	Chloroethane		50.0	100	200	U
67-66-3	Chloroform		25.0	50.0	100	U
74-87-3	Chloromethane		25.0	50.0	100	U
95-49-8	2-Chlorotoluene		25.0	50.0	100	U
106-43-4	4-Chlorotoluene		25.0	50.0	100	U
124-48-1	Dibromochloromethane		25.0	50.0	100	U
96-12-8	1,2-Dibromo-3-chloropropane		50.0	100	200	U
106-93-4	1,2-Dibromoethane (EDB)	235	25.0	50.0	100	D
74-95-3	Dibromomethane		25.0	50.0	100	U
95-50-1	1,2-Dichlorobenzene		25.0	50.0	100	U
541-73-1	1,3-Dichlorobenzene		25.0	50.0	100	U
106-46-7	1,4-Dichlorobenzene		25.0	50.0	100	U
75-71-8	Dichlorodifluoromethane		50.0	100	200	U
75-34-3	1,1-Dichloroethane		25.0	50.0	100	U
107-06-2	1,2-Dichloroethane		25.0	50.0	100	U
75-35-4	1,1-Dichloroethene		25.0	50.0	100	U
156-59-2	cis-1,2-Dichloroethene		25.0	50.0	100	U
156-60-5	trans-1,2-Dichloroethene		25.0	50.0	100	U
78-87-5	1,2-Dichloropropane		25.0	50.0	100	U
142-28-9	1,3-Dichloropropane		25.0	50.0	100	U
594-20-7	2,2-Dichloropropane		25.0	50.0	100	U
563-58-6	1,1-Dichloropropene		25.0	50.0	100	U
10061-01-5	cis-1,3-Dichloropropene		25.0	50.0	100	U
10061-02-6	trans-1,3-Dichloropropene		25.0	50.0	100	U
100-41-4	Ethylbenzene	1170	25.0	50.0	100	D
87-68-3	Hexachlorobutadiene		25.0	50.0	200	U

ANALYSIS DATA SHEET

GW0517

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-01	File ID:	0505401D.D
Sampled:	05/07/12 15:44	Prepared:	05/10/12 00:00	Analyzed:	05/10/12 16:12
Solids:		Preparation:	5030B	Dilution:	100

Batch: 2E10007 Sequence: 2E13201 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	458	125	250	500	J, D
98-82-8	Isopropylbenzene	79.0	25.0	50.0	100	J, D
99-87-6	p-Isopropyltoluene		25.0	50.0	100	U
75-09-2	Methylene chloride		50.0	100	200	U
91-20-3	Naphthalene	83.0	25.0	50.0	200	J, D
108-10-1	4-Methyl-2-pentanone	299	125	250	500	J, D
1634-04-4	Methyl t-Butyl Ether		25.0	50.0	100	U
103-65-1	n-Propylbenzene	77.0	25.0	50.0	100	J, D
100-42-5	Styrene		25.0	50.0	100	U
79-34-5	1,1,2,2-Tetrachloroethane		25.0	50.0	100	U
630-20-6	1,1,1,2-Tetrachloroethane		25.0	50.0	100	U
127-18-4	Tetrachloroethene		25.0	50.0	100	U
108-88-3	Toluene	14500	25.0	50.0	100	D
87-61-6	1,2,3-Trichlorobenzene		25.0	50.0	200	U
120-82-1	1,2,4-Trichlorobenzene		25.0	50.0	200	U
79-00-5	1,1,2-Trichloroethane		25.0	50.0	100	U
71-55-6	1,1,1-Trichloroethane		25.0	50.0	100	U
79-01-6	Trichloroethene		25.0	50.0	100	U
75-69-4	Trichlorofluoromethane		50.0	100	200	U
96-18-4	1,2,3-Trichloropropane		50.0	100	200	U
108-67-8	1,3,5-Trimethylbenzene	73.0	25.0	50.0	100	J, D
95-63-6	1,2,4-Trimethylbenzene	227	25.0	50.0	100	D
75-01-4	Vinyl chloride		25.0	50.0	100	U
1330-20-7	Xylenes (total)	2610	75.0	150	300	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.53	102	75 - 120	
Dibromofluoromethane	30.00	30.93	103	85 - 115	
1,2-Dichloroethane-d4	30.00	31.39	105	70 - 120	
Toluene-d8	30.00	30.21	101	85 - 120	

ANALYSIS DATA SHEET

GW0518

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-03	File ID:	0505403.D
Sampled:	05/07/12 11:59	Prepared:	05/10/12 00:00	Analyzed:	05/10/12 13:57
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E10007 Sequence: 2E13201 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	Y, U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	X, U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0518

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-03	File ID:	0505403.D
Sampled:	05/07/12 11:59	Prepared:	05/10/12 00:00	Analyzed:	05/10/12 13:57
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E10007 Sequence: 2E13201 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.29	101	75 - 120	
Dibromofluoromethane	30.00	31.19	104	85 - 115	
1,2-Dichloroethane-d4	30.00	31.48	105	70 - 120	
Toluene-d8	30.00	30.23	101	85 - 120	

ANALYSIS DATA SHEET

GW0563

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-05	File ID:	0505405D.D
Sampled:	05/07/12 15:51	Prepared:	05/10/12 00:00	Analyzed:	05/10/12 16:39
Solids:		Preparation:	5030B	Dilution:	100

Batch: 2E10007 Sequence: 2E13201 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	1060	250	500	1000	Y, D
71-43-2	Benzene	7150	25.0	50.0	100	D
108-86-1	Bromobenzene		25.0	50.0	100	U
74-97-5	Bromochloromethane		25.0	50.0	100	U
75-27-4	Bromodichloromethane		25.0	50.0	100	U
75-25-2	Bromoform		25.0	50.0	100	U
74-83-9	Bromomethane		50.0	100	200	U
104-51-8	n-Butylbenzene		25.0	50.0	100	U
78-93-3	2-Butanone	305	250	500	1000	J, D
135-98-8	sec-Butylbenzene		25.0	50.0	100	U
98-06-6	tert-Butylbenzene		25.0	50.0	100	U
75-15-0	Carbon disulfide	35.0	25.0	50.0	100	J, D
56-23-5	Carbon tetrachloride		25.0	50.0	100	X, U
108-90-7	Chlorobenzene		25.0	50.0	100	U
75-00-3	Chloroethane		50.0	100	200	U
67-66-3	Chloroform		25.0	50.0	100	U
74-87-3	Chloromethane		25.0	50.0	100	U
95-49-8	2-Chlorotoluene		25.0	50.0	100	U
106-43-4	4-Chlorotoluene		25.0	50.0	100	U
124-48-1	Dibromochloromethane		25.0	50.0	100	U
96-12-8	1,2-Dibromo-3-chloropropane		50.0	100	200	U
106-93-4	1,2-Dibromoethane (EDB)	199	25.0	50.0	100	D
74-95-3	Dibromomethane		25.0	50.0	100	U
95-50-1	1,2-Dichlorobenzene		25.0	50.0	100	U
541-73-1	1,3-Dichlorobenzene		25.0	50.0	100	U
106-46-7	1,4-Dichlorobenzene		25.0	50.0	100	U
75-71-8	Dichlorodifluoromethane		50.0	100	200	U
75-34-3	1,1-Dichloroethane		25.0	50.0	100	U
107-06-2	1,2-Dichloroethane		25.0	50.0	100	U
75-35-4	1,1-Dichloroethene		25.0	50.0	100	U
156-59-2	cis-1,2-Dichloroethene		25.0	50.0	100	U
156-60-5	trans-1,2-Dichloroethene		25.0	50.0	100	U
78-87-5	1,2-Dichloropropane		25.0	50.0	100	U
142-28-9	1,3-Dichloropropane		25.0	50.0	100	U
594-20-7	2,2-Dichloropropane		25.0	50.0	100	U
563-58-6	1,1-Dichloropropene		25.0	50.0	100	U
10061-01-5	cis-1,3-Dichloropropene		25.0	50.0	100	U
10061-02-6	trans-1,3-Dichloropropene		25.0	50.0	100	U
100-41-4	Ethylbenzene	861	25.0	50.0	100	D
87-68-3	Hexachlorobutadiene		25.0	50.0	200	U

ANALYSIS DATA SHEET

GW0563

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-05	File ID:	0505405D.D
Sampled:	05/07/12 15:51	Prepared:	05/10/12 00:00	Analyzed:	05/10/12 16:39
Solids:		Preparation:	5030B	Dilution:	100

Batch: 2E10007 Sequence: 2E13201 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	423	125	250	500	J, D
98-82-8	Isopropylbenzene	63.0	25.0	50.0	100	J, D
99-87-6	p-Isopropyltoluene		25.0	50.0	100	U
75-09-2	Methylene chloride		50.0	100	200	U
91-20-3	Naphthalene	118	25.0	50.0	200	J, D
108-10-1	4-Methyl-2-pentanone	240	125	250	500	J, D
1634-04-4	Methyl t-Butyl Ether		25.0	50.0	100	U
103-65-1	n-Propylbenzene	62.0	25.0	50.0	100	J, D
100-42-5	Styrene		25.0	50.0	100	U
79-34-5	1,1,2,2-Tetrachloroethane		25.0	50.0	100	U
630-20-6	1,1,1,2-Tetrachloroethane		25.0	50.0	100	U
127-18-4	Tetrachloroethene		25.0	50.0	100	U
108-88-3	Toluene	9490	25.0	50.0	100	D
87-61-6	1,2,3-Trichlorobenzene		25.0	50.0	200	U
120-82-1	1,2,4-Trichlorobenzene		25.0	50.0	200	U
79-00-5	1,1,2-Trichloroethane		25.0	50.0	100	U
71-55-6	1,1,1-Trichloroethane		25.0	50.0	100	U
79-01-6	Trichloroethene		25.0	50.0	100	U
75-69-4	Trichlorofluoromethane		50.0	100	200	U
96-18-4	1,2,3-Trichloropropane		50.0	100	200	U
108-67-8	1,3,5-Trimethylbenzene	82.0	25.0	50.0	100	J, D
95-63-6	1,2,4-Trimethylbenzene	272	25.0	50.0	100	D
75-01-4	Vinyl chloride		25.0	50.0	100	U
1330-20-7	Xylenes (total)	2990	75.0	150	300	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.52	102	75 - 120	
Dibromofluoromethane	30.00	31.00	103	85 - 115	
1,2-Dichloroethane-d4	30.00	31.19	104	70 - 120	
Toluene-d8	30.00	30.18	101	85 - 120	

ANALYSIS DATA SHEET

GW0564

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-07	File ID:	0505407.D
Sampled:	05/07/12 13:24	Prepared:	05/10/12 00:00	Analyzed:	05/10/12 14:24
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E10007 Sequence: 2E13201 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	Y, U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	X, U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0564

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-07	File ID:	0505407.D
Sampled:	05/07/12 13:24	Prepared:	05/10/12 00:00	Analyzed:	05/10/12 14:24
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E10007 Sequence: 2E13201 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.65	102	75 - 120	
Dibromofluoromethane	30.00	30.91	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.74	102	70 - 120	
Toluene-d8	30.00	30.12	100	85 - 120	

ANALYSIS DATA SHEET

GW0565

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-09	File ID:	0505409.D
Sampled:	05/07/12 11:09	Prepared:	05/10/12 00:00	Analyzed:	05/10/12 14:51
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E10007 Sequence: 2E13201 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	Y, U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	X, U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0565

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-09	File ID:	0505409.D
Sampled:	05/07/12 11:09	Prepared:	05/10/12 00:00	Analyzed:	05/10/12 14:51
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E10007 Sequence: 2E13201 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.66	102	75 - 120	
Dibromofluoromethane	30.00	30.96	103	85 - 115	
1,2-Dichloroethane-d4	30.00	31.00	103	70 - 120	
Toluene-d8	30.00	30.37	101	85 - 120	

ANALYSIS DATA SHEET

GW0587

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-11	File ID:	0505411D.D
Sampled:	05/08/12 13:28	Prepared:	05/10/12 00:00	Analyzed:	05/10/12 17:06
Solids:		Preparation:	5030B	Dilution:	50

Batch: 2E10007 Sequence: 2E13201 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	204	125	250	500	Y, J, D
71-43-2	Benzene	4780	12.5	25.0	50.0	D
108-86-1	Bromobenzene		12.5	25.0	50.0	U
74-97-5	Bromochloromethane		12.5	25.0	50.0	U
75-27-4	Bromodichloromethane		12.5	25.0	50.0	U
75-25-2	Bromoform		12.5	25.0	50.0	U
74-83-9	Bromomethane		25.0	50.0	100	U
104-51-8	n-Butylbenzene		12.5	25.0	50.0	U
78-93-3	2-Butanone		125	250	500	U
135-98-8	sec-Butylbenzene		12.5	25.0	50.0	U
98-06-6	tert-Butylbenzene		12.5	25.0	50.0	U
75-15-0	Carbon disulfide	27.0	12.5	25.0	50.0	J, D
56-23-5	Carbon tetrachloride		12.5	25.0	50.0	X, U
108-90-7	Chlorobenzene		12.5	25.0	50.0	U
75-00-3	Chloroethane		25.0	50.0	100	U
67-66-3	Chloroform		12.5	25.0	50.0	U
74-87-3	Chloromethane		12.5	25.0	50.0	U
95-49-8	2-Chlorotoluene		12.5	25.0	50.0	U
106-43-4	4-Chlorotoluene		12.5	25.0	50.0	U
124-48-1	Dibromochloromethane		12.5	25.0	50.0	U
96-12-8	1,2-Dibromo-3-chloropropane		25.0	50.0	100	U
106-93-4	1,2-Dibromoethane (EDB)		12.5	25.0	50.0	U
74-95-3	Dibromomethane		12.5	25.0	50.0	U
95-50-1	1,2-Dichlorobenzene		12.5	25.0	50.0	U
541-73-1	1,3-Dichlorobenzene		12.5	25.0	50.0	U
106-46-7	1,4-Dichlorobenzene		12.5	25.0	50.0	U
75-71-8	Dichlorodifluoromethane		25.0	50.0	100	U
75-34-3	1,1-Dichloroethane		12.5	25.0	50.0	U
107-06-2	1,2-Dichloroethane		12.5	25.0	50.0	U
75-35-4	1,1-Dichloroethene		12.5	25.0	50.0	U
156-59-2	cis-1,2-Dichloroethene		12.5	25.0	50.0	U
156-60-5	trans-1,2-Dichloroethene		12.5	25.0	50.0	U
78-87-5	1,2-Dichloropropane		12.5	25.0	50.0	U
142-28-9	1,3-Dichloropropane		12.5	25.0	50.0	U
594-20-7	2,2-Dichloropropane		12.5	25.0	50.0	U
563-58-6	1,1-Dichloropropene		12.5	25.0	50.0	U
10061-01-5	cis-1,3-Dichloropropene		12.5	25.0	50.0	U
10061-02-6	trans-1,3-Dichloropropene		12.5	25.0	50.0	U
100-41-4	Ethylbenzene	1230	12.5	25.0	50.0	D
87-68-3	Hexachlorobutadiene		12.5	25.0	100	U

ANALYSIS DATA SHEET

GW0587

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-11	File ID:	0505411D.D
Sampled:	05/08/12 13:28	Prepared:	05/10/12 00:00	Analyzed:	05/10/12 17:06
Solids:		Preparation:	5030B	Dilution:	50

Batch: 2E10007 Sequence: 2E13201 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		62.5	125	250	U
98-82-8	Isopropylbenzene	73.0	12.5	25.0	50.0	D
99-87-6	p-Isopropyltoluene		12.5	25.0	50.0	U
75-09-2	Methylene chloride		25.0	50.0	100	U
91-20-3	Naphthalene	110	12.5	25.0	100	D
108-10-1	4-Methyl-2-pentanone		62.5	125	250	U
1634-04-4	Methyl t-Butyl Ether		12.5	25.0	50.0	U
103-65-1	n-Propylbenzene	73.5	12.5	25.0	50.0	D
100-42-5	Styrene		12.5	25.0	50.0	U
79-34-5	1,1,2,2-Tetrachloroethane		12.5	25.0	50.0	U
630-20-6	1,1,1,2-Tetrachloroethane		12.5	25.0	50.0	U
127-18-4	Tetrachloroethene		12.5	25.0	50.0	U
108-88-3	Toluene	1330	12.5	25.0	50.0	D
87-61-6	1,2,3-Trichlorobenzene		12.5	25.0	100	U
120-82-1	1,2,4-Trichlorobenzene		12.5	25.0	100	U
79-00-5	1,1,2-Trichloroethane		12.5	25.0	50.0	U
71-55-6	1,1,1-Trichloroethane		12.5	25.0	50.0	U
79-01-6	Trichloroethene		12.5	25.0	50.0	U
75-69-4	Trichlorofluoromethane		25.0	50.0	100	U
96-18-4	1,2,3-Trichloropropane		25.0	50.0	100	U
108-67-8	1,3,5-Trimethylbenzene	59.0	12.5	25.0	50.0	D
95-63-6	1,2,4-Trimethylbenzene	137	12.5	25.0	50.0	D
75-01-4	Vinyl chloride		12.5	25.0	50.0	U
1330-20-7	Xylenes (total)	564	37.5	75.0	150	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.50	102	75 - 120	
Dibromofluoromethane	30.00	30.86	103	85 - 115	
1,2-Dichloroethane-d4	30.00	31.06	104	70 - 120	
Toluene-d8	30.00	30.14	100	85 - 120	

ANALYSIS DATA SHEET

GW0588

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-13	File ID:	0505413.D
Sampled:	05/08/12 11:03	Prepared:	05/10/12 00:00	Analyzed:	05/10/12 15:18
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E10007 Sequence: 2E13201 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	Y, U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	X, U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0588

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-13	File ID:	0505413.D
Sampled:	05/08/12 11:03	Prepared:	05/10/12 00:00	Analyzed:	05/10/12 15:18
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E10007 Sequence: 2E13201 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.77	103	75 - 120	
Dibromofluoromethane	30.00	31.02	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.95	103	70 - 120	
Toluene-d8	30.00	29.99	100	85 - 120	

ANALYSIS DATA SHEET

GW0589

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-15	File ID:	0505415.D
Sampled:	05/08/12 11:03	Prepared:	05/10/12 00:00	Analyzed:	05/10/12 15:45
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E10007 Sequence: 2E13201 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	Y, U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	X, U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0589

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-15	File ID:	0505415.D
Sampled:	05/08/12 11:03	Prepared:	05/10/12 00:00	Analyzed:	05/10/12 15:45
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E10007 Sequence: 2E13201 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.27	101	75 - 120	
Dibromofluoromethane	30.00	30.94	103	85 - 115	
1,2-Dichloroethane-d4	30.00	31.19	104	70 - 120	
Toluene-d8	30.00	30.10	100	85 - 120	

ANALYSIS DATA SHEET

GW0610

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-17	File ID:	0505417.D
Sampled:	05/08/12 12:45	Prepared:	05/11/12 00:00	Analyzed:	05/11/12 10:40
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E11004 Sequence: 2E13504 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	Q, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	X, U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0610

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-17	File ID:	0505417.D
Sampled:	05/08/12 12:45	Prepared:	05/11/12 00:00	Analyzed:	05/11/12 10:40
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E11004 Sequence: 2E13504 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene	0.470	0.250	0.500	1.00	J
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.34	101	75 - 120	
Dibromofluoromethane	30.00	30.92	103	85 - 115	
1,2-Dichloroethane-d4	30.00	31.15	104	70 - 120	
Toluene-d8	30.00	30.18	101	85 - 120	

ANALYSIS DATA SHEET

GW0611

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-19	File ID:	0505419.D
Sampled:	05/08/12 12:45	Prepared:	05/11/12 00:00	Analyzed:	05/11/12 11:06
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E11004 Sequence: 2E13504 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	Q, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	X, U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0611

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-19	File ID:	0505419.D
Sampled:	05/08/12 12:45	Prepared:	05/11/12 00:00	Analyzed:	05/11/12 11:06
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E11004 Sequence: 2E13504 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene	0.480	0.250	0.500	1.00	J
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.08	100	75 - 120	
Dibromofluoromethane	30.00	30.86	103	85 - 115	
1,2-Dichloroethane-d4	30.00	31.11	104	70 - 120	
Toluene-d8	30.00	30.04	100	85 - 120	

ANALYSIS DATA SHEET

GW0612

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-21	File ID:	0505421.D
Sampled:	05/08/12 10:31	Prepared:	05/11/12 00:00	Analyzed:	05/11/12 11:33
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E11004 Sequence: 2E13504 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	Q, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	X, U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0612

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-21	File ID:	0505421.D
Sampled:	05/08/12 10:31	Prepared:	05/11/12 00:00	Analyzed:	05/11/12 11:33
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E11004 Sequence: 2E13504 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene	0.430	0.250	0.500	1.00	J
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.26	101	75 - 120	
Dibromofluoromethane	30.00	30.96	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.86	103	70 - 120	
Toluene-d8	30.00	29.52	98.4	85 - 120	

ANALYSIS DATA SHEET

GW8050-RB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-23	File ID:	0505423.D
Sampled:	05/07/12 08:40	Prepared:	05/10/12 00:00	Analyzed:	05/10/12 10:22
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E10007 Sequence: 2E13201 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	3.45	2.50	5.00	10.0	Y, J
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	X, U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW8050-RB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-23	File ID:	0505423.D
Sampled:	05/07/12 08:40	Prepared:	05/10/12 00:00	Analyzed:	05/10/12 10:22
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E10007 Sequence: 2E13201 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.51	102	75 - 120	
Dibromofluoromethane	30.00	30.56	102	85 - 115	
1,2-Dichloroethane-d4	30.00	31.58	105	70 - 120	
Toluene-d8	30.00	30.53	102	85 - 120	

ANALYSIS DATA SHEET

GW8054-AB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-25	File ID:	0505425.D
Sampled:	05/07/12 11:09	Prepared:	05/10/12 00:00	Analyzed:	05/10/12 10:49
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E10007 Sequence: 2E13201 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	Y, U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	X, U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW8054-AB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-25	File ID:	0505425.D
Sampled:	05/07/12 11:09	Prepared:	05/10/12 00:00	Analyzed:	05/10/12 10:49
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E10007 Sequence: 2E13201 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.55	102	75 - 120	
Dibromofluoromethane	30.00	30.87	103	85 - 115	
1,2-Dichloroethane-d4	30.00	31.14	104	70 - 120	
Toluene-d8	30.00	30.55	102	85 - 120	

ANALYSIS DATA SHEET

GW8055-AB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-26	File ID:	0505426.D
Sampled:	05/08/12 13:28	Prepared:	05/10/12 00:00	Analyzed:	05/10/12 11:16
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E10007 Sequence: 2E13201 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	Y, U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	X, U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW8055-AB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-26	File ID:	0505426.D
Sampled:	05/08/12 13:28	Prepared:	05/10/12 00:00	Analyzed:	05/10/12 11:16
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E10007 Sequence: 2E13201 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.42	101	75 - 120	
Dibromofluoromethane	30.00	30.98	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.91	103	70 - 120	
Toluene-d8	30.00	30.17	101	85 - 120	

ANALYSIS DATA SHEET

GW8203-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-27	File ID:	0505427.D
Sampled:	05/07/12 08:00	Prepared:	05/10/12 00:00	Analyzed:	05/10/12 09:56
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E10007 Sequence: 2E13201 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	Y, U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	X, U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW8203-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-27	File ID:	0505427.D
Sampled:	05/07/12 08:00	Prepared:	05/10/12 00:00	Analyzed:	05/10/12 09:56
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E10007 Sequence: 2E13201 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.06	104	75 - 120	
Dibromofluoromethane	30.00	30.92	103	85 - 115	
1,2-Dichloroethane-d4	30.00	31.37	105	70 - 120	
Toluene-d8	30.00	30.60	102	85 - 120	

ANALYSIS DATA SHEET

GW0511

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-01	File ID:	0507001D.D
Sampled:	05/09/12 11:13	Prepared:	05/11/12 00:00	Analyzed:	05/11/12 14:14
Solids:		Preparation:	5030B	Dilution:	10

Batch: 2E11004 Sequence: 2E13504 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	195	25.0	50.0	100	D
71-43-2	Benzene	1370	2.50	5.00	10.0	D
108-86-1	Bromobenzene		2.50	5.00	10.0	U
74-97-5	Bromochloromethane		2.50	5.00	10.0	U
75-27-4	Bromodichloromethane		2.50	5.00	10.0	U
75-25-2	Bromoform		2.50	5.00	10.0	U
74-83-9	Bromomethane		5.00	10.0	20.0	Q, U
104-51-8	n-Butylbenzene		2.50	5.00	10.0	U
78-93-3	2-Butanone	29.8	25.0	50.0	100	J, D
135-98-8	sec-Butylbenzene	3.00	2.50	5.00	10.0	J, D
98-06-6	tert-Butylbenzene		2.50	5.00	10.0	U
75-15-0	Carbon disulfide		2.50	5.00	10.0	U
56-23-5	Carbon tetrachloride		2.50	5.00	10.0	X, U
108-90-7	Chlorobenzene		2.50	5.00	10.0	U
75-00-3	Chloroethane		5.00	10.0	20.0	U
67-66-3	Chloroform		2.50	5.00	10.0	U
74-87-3	Chloromethane		2.50	5.00	10.0	U
95-49-8	2-Chlorotoluene		2.50	5.00	10.0	U
106-43-4	4-Chlorotoluene		2.50	5.00	10.0	U
124-48-1	Dibromochloromethane		2.50	5.00	10.0	U
96-12-8	1,2-Dibromo-3-chloropropane		5.00	10.0	20.0	U
106-93-4	1,2-Dibromoethane (EDB)	3.60	2.50	5.00	10.0	J, D
74-95-3	Dibromomethane		2.50	5.00	10.0	U
95-50-1	1,2-Dichlorobenzene		2.50	5.00	10.0	U
541-73-1	1,3-Dichlorobenzene		2.50	5.00	10.0	U
106-46-7	1,4-Dichlorobenzene		2.50	5.00	10.0	U
75-71-8	Dichlorodifluoromethane		5.00	10.0	20.0	U
75-34-3	1,1-Dichloroethane		2.50	5.00	10.0	U
107-06-2	1,2-Dichloroethane		2.50	5.00	10.0	U
75-35-4	1,1-Dichloroethene		2.50	5.00	10.0	U
156-59-2	cis-1,2-Dichloroethene		2.50	5.00	10.0	U
156-60-5	trans-1,2-Dichloroethene		2.50	5.00	10.0	U
78-87-5	1,2-Dichloropropane		2.50	5.00	10.0	U
142-28-9	1,3-Dichloropropane		2.50	5.00	10.0	U
594-20-7	2,2-Dichloropropane		2.50	5.00	10.0	U
563-58-6	1,1-Dichloropropene		2.50	5.00	10.0	U
10061-01-5	cis-1,3-Dichloropropene		2.50	5.00	10.0	U
10061-02-6	trans-1,3-Dichloropropene		2.50	5.00	10.0	U
100-41-4	Ethylbenzene	177	2.50	5.00	10.0	D
87-68-3	Hexachlorobutadiene		2.50	5.00	20.0	U

ANALYSIS DATA SHEET

GW0511

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-01	File ID:	0507001D.D
Sampled:	05/09/12 11:13	Prepared:	05/11/12 00:00	Analyzed:	05/11/12 14:14
Solids:		Preparation:	5030B	Dilution:	10

Batch: 2E11004 Sequence: 2E13504 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	37.6	12.5	25.0	50.0	J, D
98-82-8	Isopropylbenzene	22.5	2.50	5.00	10.0	D
99-87-6	p-Isopropyltoluene	11.4	2.50	5.00	10.0	D
75-09-2	Methylene chloride		5.00	10.0	20.0	U
91-20-3	Naphthalene	21.4	2.50	5.00	20.0	D
108-10-1	4-Methyl-2-pentanone	67.9	12.5	25.0	50.0	D
1634-04-4	Methyl t-Butyl Ether		2.50	5.00	10.0	U
103-65-1	n-Propylbenzene	13.4	2.50	5.00	10.0	D
100-42-5	Styrene		2.50	5.00	10.0	U
79-34-5	1,1,2,2-Tetrachloroethane		2.50	5.00	10.0	U
630-20-6	1,1,1,2-Tetrachloroethane		2.50	5.00	10.0	U
127-18-4	Tetrachloroethene		2.50	5.00	10.0	U
108-88-3	Toluene	432	2.50	5.00	10.0	D
87-61-6	1,2,3-Trichlorobenzene		2.50	5.00	20.0	U
120-82-1	1,2,4-Trichlorobenzene		2.50	5.00	20.0	U
79-00-5	1,1,2-Trichloroethane		2.50	5.00	10.0	U
71-55-6	1,1,1-Trichloroethane		2.50	5.00	10.0	U
79-01-6	Trichloroethene		2.50	5.00	10.0	U
75-69-4	Trichlorofluoromethane		5.00	10.0	20.0	U
96-18-4	1,2,3-Trichloropropane		5.00	10.0	20.0	U
108-67-8	1,3,5-Trimethylbenzene	13.7	2.50	5.00	10.0	D
95-63-6	1,2,4-Trimethylbenzene	40.2	2.50	5.00	10.0	D
75-01-4	Vinyl chloride		2.50	5.00	10.0	U
1330-20-7	Xylenes (total)	238	7.50	15.0	30.0	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.14	100	75 - 120	
Dibromofluoromethane	30.00	30.67	102	85 - 115	
1,2-Dichloroethane-d4	30.00	29.65	98.8	70 - 120	
Toluene-d8	30.00	30.65	102	85 - 120	

ANALYSIS DATA SHEET

GW0512

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-03	File ID:	0507003D.D
Sampled:	05/09/12 11:13	Prepared:	05/11/12 00:00	Analyzed:	05/11/12 14:41
Solids:		Preparation:	5030B	Dilution:	10

Batch: 2E11004 Sequence: 2E13504 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	174	25.0	50.0	100	D
71-43-2	Benzene	1270	2.50	5.00	10.0	D
108-86-1	Bromobenzene		2.50	5.00	10.0	U
74-97-5	Bromochloromethane		2.50	5.00	10.0	U
75-27-4	Bromodichloromethane		2.50	5.00	10.0	U
75-25-2	Bromoform		2.50	5.00	10.0	U
74-83-9	Bromomethane		5.00	10.0	20.0	Q, U
104-51-8	n-Butylbenzene		2.50	5.00	10.0	U
78-93-3	2-Butanone	27.4	25.0	50.0	100	J, D
135-98-8	sec-Butylbenzene	2.80	2.50	5.00	10.0	J, D
98-06-6	tert-Butylbenzene		2.50	5.00	10.0	U
75-15-0	Carbon disulfide		2.50	5.00	10.0	U
56-23-5	Carbon tetrachloride		2.50	5.00	10.0	X, U
108-90-7	Chlorobenzene		2.50	5.00	10.0	U
75-00-3	Chloroethane		5.00	10.0	20.0	U
67-66-3	Chloroform		2.50	5.00	10.0	U
74-87-3	Chloromethane		2.50	5.00	10.0	U
95-49-8	2-Chlorotoluene		2.50	5.00	10.0	U
106-43-4	4-Chlorotoluene		2.50	5.00	10.0	U
124-48-1	Dibromochloromethane		2.50	5.00	10.0	U
96-12-8	1,2-Dibromo-3-chloropropane		5.00	10.0	20.0	U
106-93-4	1,2-Dibromoethane (EDB)	3.30	2.50	5.00	10.0	J, D
74-95-3	Dibromomethane		2.50	5.00	10.0	U
95-50-1	1,2-Dichlorobenzene		2.50	5.00	10.0	U
541-73-1	1,3-Dichlorobenzene		2.50	5.00	10.0	U
106-46-7	1,4-Dichlorobenzene		2.50	5.00	10.0	U
75-71-8	Dichlorodifluoromethane		5.00	10.0	20.0	U
75-34-3	1,1-Dichloroethane		2.50	5.00	10.0	U
107-06-2	1,2-Dichloroethane		2.50	5.00	10.0	U
75-35-4	1,1-Dichloroethene		2.50	5.00	10.0	U
156-59-2	cis-1,2-Dichloroethene		2.50	5.00	10.0	U
156-60-5	trans-1,2-Dichloroethene		2.50	5.00	10.0	U
78-87-5	1,2-Dichloropropane		2.50	5.00	10.0	U
142-28-9	1,3-Dichloropropane		2.50	5.00	10.0	U
594-20-7	2,2-Dichloropropane		2.50	5.00	10.0	U
563-58-6	1,1-Dichloropropene		2.50	5.00	10.0	U
10061-01-5	cis-1,3-Dichloropropene		2.50	5.00	10.0	U
10061-02-6	trans-1,3-Dichloropropene		2.50	5.00	10.0	U
100-41-4	Ethylbenzene	165	2.50	5.00	10.0	D
87-68-3	Hexachlorobutadiene		2.50	5.00	20.0	U

ANALYSIS DATA SHEET

GW0512

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-03	File ID:	0507003D.D
Sampled:	05/09/12 11:13	Prepared:	05/11/12 00:00	Analyzed:	05/11/12 14:41
Solids:		Preparation:	5030B	Dilution:	10

Batch: 2E11004 Sequence: 2E13504 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	36.6	12.5	25.0	50.0	J, D
98-82-8	Isopropylbenzene	20.9	2.50	5.00	10.0	D
99-87-6	p-Isopropyltoluene	10.7	2.50	5.00	10.0	D
75-09-2	Methylene chloride		5.00	10.0	20.0	U
91-20-3	Naphthalene	20.8	2.50	5.00	20.0	D
108-10-1	4-Methyl-2-pentanone	63.2	12.5	25.0	50.0	D
1634-04-4	Methyl t-Butyl Ether		2.50	5.00	10.0	U
103-65-1	n-Propylbenzene	12.5	2.50	5.00	10.0	D
100-42-5	Styrene		2.50	5.00	10.0	U
79-34-5	1,1,2,2-Tetrachloroethane		2.50	5.00	10.0	U
630-20-6	1,1,1,2-Tetrachloroethane		2.50	5.00	10.0	U
127-18-4	Tetrachloroethene		2.50	5.00	10.0	U
108-88-3	Toluene	395	2.50	5.00	10.0	D
87-61-6	1,2,3-Trichlorobenzene		2.50	5.00	20.0	U
120-82-1	1,2,4-Trichlorobenzene		2.50	5.00	20.0	U
79-00-5	1,1,2-Trichloroethane		2.50	5.00	10.0	U
71-55-6	1,1,1-Trichloroethane		2.50	5.00	10.0	U
79-01-6	Trichloroethene		2.50	5.00	10.0	U
75-69-4	Trichlorofluoromethane		5.00	10.0	20.0	U
96-18-4	1,2,3-Trichloropropane		5.00	10.0	20.0	U
108-67-8	1,3,5-Trimethylbenzene	12.9	2.50	5.00	10.0	D
95-63-6	1,2,4-Trimethylbenzene	38.3	2.50	5.00	10.0	D
75-01-4	Vinyl chloride		2.50	5.00	10.0	U
1330-20-7	Xylenes (total)	220	7.50	15.0	30.0	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.49	102	75 - 120	
Dibromofluoromethane	30.00	30.61	102	85 - 115	
1,2-Dichloroethane-d4	30.00	29.80	99.3	70 - 120	
Toluene-d8	30.00	30.75	102	85 - 120	

ANALYSIS DATA SHEET

GW0570

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-05	File ID:	0507005D.D
Sampled:	05/09/12 13:09	Prepared:	05/11/12 00:00	Analyzed:	05/11/12 15:08
Solids:		Preparation:	5030B	Dilution:	25

Batch: 2E11004 Sequence: 2E13504 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	2030	62.5	125	250	D
71-43-2	Benzene	2660	6.25	12.5	25.0	D
108-86-1	Bromobenzene		6.25	12.5	25.0	U
74-97-5	Bromochloromethane		6.25	12.5	25.0	U
75-27-4	Bromodichloromethane		6.25	12.5	25.0	U
75-25-2	Bromoform		6.25	12.5	25.0	U
74-83-9	Bromomethane		12.5	25.0	50.0	Q, U
104-51-8	n-Butylbenzene		6.25	12.5	25.0	U
78-93-3	2-Butanone	606	62.5	125	250	D
135-98-8	sec-Butylbenzene	6.50	6.25	12.5	25.0	J, D
98-06-6	tert-Butylbenzene		6.25	12.5	25.0	U
75-15-0	Carbon disulfide		6.25	12.5	25.0	U
56-23-5	Carbon tetrachloride		6.25	12.5	25.0	X, U
108-90-7	Chlorobenzene		6.25	12.5	25.0	U
75-00-3	Chloroethane		12.5	25.0	50.0	U
67-66-3	Chloroform		6.25	12.5	25.0	U
74-87-3	Chloromethane		6.25	12.5	25.0	U
95-49-8	2-Chlorotoluene		6.25	12.5	25.0	U
106-43-4	4-Chlorotoluene		6.25	12.5	25.0	U
124-48-1	Dibromochloromethane		6.25	12.5	25.0	U
96-12-8	1,2-Dibromo-3-chloropropane		12.5	25.0	50.0	U
106-93-4	1,2-Dibromoethane (EDB)	83.5	6.25	12.5	25.0	D
74-95-3	Dibromomethane		6.25	12.5	25.0	U
95-50-1	1,2-Dichlorobenzene		6.25	12.5	25.0	U
541-73-1	1,3-Dichlorobenzene		6.25	12.5	25.0	U
106-46-7	1,4-Dichlorobenzene		6.25	12.5	25.0	U
75-71-8	Dichlorodifluoromethane		12.5	25.0	50.0	U
75-34-3	1,1-Dichloroethane		6.25	12.5	25.0	U
107-06-2	1,2-Dichloroethane		6.25	12.5	25.0	U
75-35-4	1,1-Dichloroethene		6.25	12.5	25.0	U
156-59-2	cis-1,2-Dichloroethene		6.25	12.5	25.0	U
156-60-5	trans-1,2-Dichloroethene		6.25	12.5	25.0	U
78-87-5	1,2-Dichloropropane		6.25	12.5	25.0	U
142-28-9	1,3-Dichloropropane		6.25	12.5	25.0	U
594-20-7	2,2-Dichloropropane		6.25	12.5	25.0	U
563-58-6	1,1-Dichloropropene		6.25	12.5	25.0	U
10061-01-5	cis-1,3-Dichloropropene		6.25	12.5	25.0	U
10061-02-6	trans-1,3-Dichloropropene		6.25	12.5	25.0	U
100-41-4	Ethylbenzene	447	6.25	12.5	25.0	D
87-68-3	Hexachlorobutadiene		6.25	12.5	50.0	U

ANALYSIS DATA SHEET

GW0570

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-05	File ID:	0507005D.D
Sampled:	05/09/12 13:09	Prepared:	05/11/12 00:00	Analyzed:	05/11/12 15:08
Solids:		Preparation:	5030B	Dilution:	25

Batch: 2E11004 Sequence: 2E13504 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	242	31.2	62.5	125	D
98-82-8	Isopropylbenzene	43.0	6.25	12.5	25.0	D
99-87-6	p-Isopropyltoluene		6.25	12.5	25.0	U
75-09-2	Methylene chloride		12.5	25.0	50.0	U
91-20-3	Naphthalene	35.2	6.25	12.5	50.0	J, D
108-10-1	4-Methyl-2-pentanone	154	31.2	62.5	125	D
1634-04-4	Methyl t-Butyl Ether		6.25	12.5	25.0	U
103-65-1	n-Propylbenzene	39.8	6.25	12.5	25.0	D
100-42-5	Styrene		6.25	12.5	25.0	U
79-34-5	1,1,2,2-Tetrachloroethane		6.25	12.5	25.0	U
630-20-6	1,1,1,2-Tetrachloroethane		6.25	12.5	25.0	U
127-18-4	Tetrachloroethene		6.25	12.5	25.0	U
108-88-3	Toluene	3460	6.25	12.5	25.0	D
87-61-6	1,2,3-Trichlorobenzene		6.25	12.5	50.0	U
120-82-1	1,2,4-Trichlorobenzene		6.25	12.5	50.0	U
79-00-5	1,1,2-Trichloroethane		6.25	12.5	25.0	U
71-55-6	1,1,1-Trichloroethane		6.25	12.5	25.0	U
79-01-6	Trichloroethene		6.25	12.5	25.0	U
75-69-4	Trichlorofluoromethane		12.5	25.0	50.0	U
96-18-4	1,2,3-Trichloropropane		12.5	25.0	50.0	U
108-67-8	1,3,5-Trimethylbenzene	33.0	6.25	12.5	25.0	D
95-63-6	1,2,4-Trimethylbenzene	97.8	6.25	12.5	25.0	D
75-01-4	Vinyl chloride		6.25	12.5	25.0	U
1330-20-7	Xylenes (total)	971	18.8	37.5	75.0	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.03	100	75 - 120	
Dibromofluoromethane	30.00	30.96	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.22	101	70 - 120	
Toluene-d8	30.00	30.44	101	85 - 120	

ANALYSIS DATA SHEET

GW0586

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-07	File ID:	0507007D.D
Sampled:	05/08/12 15:27	Prepared:	05/11/12 00:00	Analyzed:	05/11/12 15:35
Solids:		Preparation:	5030B	Dilution:	100

Batch: 2E11004 Sequence: 2E13504 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	388	250	500	1000	J, D
71-43-2	Benzene	13400	25.0	50.0	100	D
108-86-1	Bromobenzene		25.0	50.0	100	U
74-97-5	Bromochloromethane		25.0	50.0	100	U
75-27-4	Bromodichloromethane		25.0	50.0	100	U
75-25-2	Bromoform		25.0	50.0	100	U
74-83-9	Bromomethane		50.0	100	200	Q, U
104-51-8	n-Butylbenzene		25.0	50.0	100	U
78-93-3	2-Butanone		250	500	1000	U
135-98-8	sec-Butylbenzene		25.0	50.0	100	U
98-06-6	tert-Butylbenzene		25.0	50.0	100	U
75-15-0	Carbon disulfide	94.0	25.0	50.0	100	J, D
56-23-5	Carbon tetrachloride		25.0	50.0	100	X, U
108-90-7	Chlorobenzene		25.0	50.0	100	U
75-00-3	Chloroethane		50.0	100	200	U
67-66-3	Chloroform		25.0	50.0	100	U
74-87-3	Chloromethane		25.0	50.0	100	U
95-49-8	2-Chlorotoluene		25.0	50.0	100	U
106-43-4	4-Chlorotoluene		25.0	50.0	100	U
124-48-1	Dibromochloromethane		25.0	50.0	100	U
96-12-8	1,2-Dibromo-3-chloropropane		50.0	100	200	U
106-93-4	1,2-Dibromoethane (EDB)		25.0	50.0	100	U
74-95-3	Dibromomethane		25.0	50.0	100	U
95-50-1	1,2-Dichlorobenzene		25.0	50.0	100	U
541-73-1	1,3-Dichlorobenzene		25.0	50.0	100	U
106-46-7	1,4-Dichlorobenzene		25.0	50.0	100	U
75-71-8	Dichlorodifluoromethane		50.0	100	200	U
75-34-3	1,1-Dichloroethane		25.0	50.0	100	U
107-06-2	1,2-Dichloroethane		25.0	50.0	100	U
75-35-4	1,1-Dichloroethene		25.0	50.0	100	U
156-59-2	cis-1,2-Dichloroethene		25.0	50.0	100	U
156-60-5	trans-1,2-Dichloroethene		25.0	50.0	100	U
78-87-5	1,2-Dichloropropane		25.0	50.0	100	U
142-28-9	1,3-Dichloropropane		25.0	50.0	100	U
594-20-7	2,2-Dichloropropane		25.0	50.0	100	U
563-58-6	1,1-Dichloropropene		25.0	50.0	100	U
10061-01-5	cis-1,3-Dichloropropene		25.0	50.0	100	U
10061-02-6	trans-1,3-Dichloropropene		25.0	50.0	100	U
100-41-4	Ethylbenzene	1440	25.0	50.0	100	D
87-68-3	Hexachlorobutadiene		25.0	50.0	200	U

ANALYSIS DATA SHEET

GW0586

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-07	File ID:	0507007D.D
Sampled:	05/08/12 15:27	Prepared:	05/11/12 00:00	Analyzed:	05/11/12 15:35
Solids:		Preparation:	5030B	Dilution:	100

Batch: 2E11004 Sequence: 2E13504 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	168	125	250	500	J, D
98-82-8	Isopropylbenzene	83.0	25.0	50.0	100	J, D
99-87-6	p-Isopropyltoluene		25.0	50.0	100	U
75-09-2	Methylene chloride		50.0	100	200	U
91-20-3	Naphthalene	108	25.0	50.0	200	J, D
108-10-1	4-Methyl-2-pentanone	180	125	250	500	J, D
1634-04-4	Methyl t-Butyl Ether		25.0	50.0	100	U
103-65-1	n-Propylbenzene	83.0	25.0	50.0	100	J, D
100-42-5	Styrene		25.0	50.0	100	U
79-34-5	1,1,2,2-Tetrachloroethane		25.0	50.0	100	U
630-20-6	1,1,1,2-Tetrachloroethane		25.0	50.0	100	U
127-18-4	Tetrachloroethene		25.0	50.0	100	U
108-88-3	Toluene	5890	25.0	50.0	100	D
87-61-6	1,2,3-Trichlorobenzene		25.0	50.0	200	U
120-82-1	1,2,4-Trichlorobenzene		25.0	50.0	200	U
79-00-5	1,1,2-Trichloroethane		25.0	50.0	100	U
71-55-6	1,1,1-Trichloroethane		25.0	50.0	100	U
79-01-6	Trichloroethene		25.0	50.0	100	U
75-69-4	Trichlorofluoromethane		50.0	100	200	U
96-18-4	1,2,3-Trichloropropane		50.0	100	200	U
108-67-8	1,3,5-Trimethylbenzene	79.0	25.0	50.0	100	J, D
95-63-6	1,2,4-Trimethylbenzene		25.0	50.0	100	U
75-01-4	Vinyl chloride		25.0	50.0	100	U
1330-20-7	Xylenes (total)	1130	75.0	150	300	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.62	102	75 - 120	
Dibromofluoromethane	30.00	30.33	101	85 - 115	
1,2-Dichloroethane-d4	30.00	30.74	102	70 - 120	
Toluene-d8	30.00	30.25	101	85 - 120	

ANALYSIS DATA SHEET

GW0599

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-09	File ID:	0507009D.D
Sampled:	05/09/12 09:59	Prepared:	05/11/12 00:00	Analyzed:	05/11/12 13:21
Solids:		Preparation:	5030B	Dilution:	5

Batch: 2E11004 Sequence: 2E13504 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	89.0	12.5	25.0	50.0	D
71-43-2	Benzene		1.25	2.50	5.00	U
108-86-1	Bromobenzene		1.25	2.50	5.00	U
74-97-5	Bromochloromethane		1.25	2.50	5.00	U
75-27-4	Bromodichloromethane		1.25	2.50	5.00	U
75-25-2	Bromoform		1.25	2.50	5.00	U
74-83-9	Bromomethane		2.50	5.00	10.0	Q, U
104-51-8	n-Butylbenzene		1.25	2.50	5.00	U
78-93-3	2-Butanone		12.5	25.0	50.0	U
135-98-8	sec-Butylbenzene		1.25	2.50	5.00	U
98-06-6	tert-Butylbenzene		1.25	2.50	5.00	U
75-15-0	Carbon disulfide		1.25	2.50	5.00	U
56-23-5	Carbon tetrachloride		1.25	2.50	5.00	X, U
108-90-7	Chlorobenzene		1.25	2.50	5.00	U
75-00-3	Chloroethane		2.50	5.00	10.0	U
67-66-3	Chloroform		1.25	2.50	5.00	U
74-87-3	Chloromethane		1.25	2.50	5.00	U
95-49-8	2-Chlorotoluene		1.25	2.50	5.00	U
106-43-4	4-Chlorotoluene		1.25	2.50	5.00	U
124-48-1	Dibromochloromethane		1.25	2.50	5.00	U
96-12-8	1,2-Dibromo-3-chloropropane		2.50	5.00	10.0	U
106-93-4	1,2-Dibromoethane (EDB)		1.25	2.50	5.00	U
74-95-3	Dibromomethane		1.25	2.50	5.00	U
95-50-1	1,2-Dichlorobenzene		1.25	2.50	5.00	U
541-73-1	1,3-Dichlorobenzene		1.25	2.50	5.00	U
106-46-7	1,4-Dichlorobenzene		1.25	2.50	5.00	U
75-71-8	Dichlorodifluoromethane		2.50	5.00	10.0	U
75-34-3	1,1-Dichloroethane		1.25	2.50	5.00	U
107-06-2	1,2-Dichloroethane	1.50	1.25	2.50	5.00	J, D
75-35-4	1,1-Dichloroethene		1.25	2.50	5.00	U
156-59-2	cis-1,2-Dichloroethene		1.25	2.50	5.00	U
156-60-5	trans-1,2-Dichloroethene		1.25	2.50	5.00	U
78-87-5	1,2-Dichloropropane		1.25	2.50	5.00	U
142-28-9	1,3-Dichloropropane		1.25	2.50	5.00	U
594-20-7	2,2-Dichloropropane		1.25	2.50	5.00	U
563-58-6	1,1-Dichloropropene		1.25	2.50	5.00	U
10061-01-5	cis-1,3-Dichloropropene		1.25	2.50	5.00	U
10061-02-6	trans-1,3-Dichloropropene		1.25	2.50	5.00	U
100-41-4	Ethylbenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	10.0	U

ANALYSIS DATA SHEET

GW0599

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-09	File ID:	0507009D.D
Sampled:	05/09/12 09:59	Prepared:	05/11/12 00:00	Analyzed:	05/11/12 13:21
Solids:		Preparation:	5030B	Dilution:	5

Batch: 2E11004 Sequence: 2E13504 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		6.25	12.5	25.0	U
98-82-8	Isopropylbenzene		1.25	2.50	5.00	U
99-87-6	p-Isopropyltoluene		1.25	2.50	5.00	U
75-09-2	Methylene chloride		2.50	5.00	10.0	U
91-20-3	Naphthalene		1.25	2.50	10.0	U
108-10-1	4-Methyl-2-pentanone		6.25	12.5	25.0	U
1634-04-4	Methyl t-Butyl Ether		1.25	2.50	5.00	U
103-65-1	n-Propylbenzene		1.25	2.50	5.00	U
100-42-5	Styrene		1.25	2.50	5.00	U
79-34-5	1,1,2,2-Tetrachloroethane		1.25	2.50	5.00	U
630-20-6	1,1,1,2-Tetrachloroethane		1.25	2.50	5.00	U
127-18-4	Tetrachloroethene		1.25	2.50	5.00	U
108-88-3	Toluene		1.25	2.50	5.00	U
87-61-6	1,2,3-Trichlorobenzene		1.25	2.50	10.0	U
120-82-1	1,2,4-Trichlorobenzene		1.25	2.50	10.0	U
79-00-5	1,1,2-Trichloroethane		1.25	2.50	5.00	U
71-55-6	1,1,1-Trichloroethane		1.25	2.50	5.00	U
79-01-6	Trichloroethene		1.25	2.50	5.00	U
75-69-4	Trichlorofluoromethane		2.50	5.00	10.0	U
96-18-4	1,2,3-Trichloropropane		2.50	5.00	10.0	U
108-67-8	1,3,5-Trimethylbenzene		1.25	2.50	5.00	U
95-63-6	1,2,4-Trimethylbenzene		1.25	2.50	5.00	U
75-01-4	Vinyl chloride		1.25	2.50	5.00	U
1330-20-7	Xylenes (total)		3.75	7.50	15.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.79	99.3	75 - 120	
Dibromofluoromethane	30.00	30.52	102	85 - 115	
1,2-Dichloroethane-d4	30.00	29.85	99.5	70 - 120	
Toluene-d8	30.00	29.98	99.9	85 - 120	

ANALYSIS DATA SHEET

GW0600

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-11	File ID:	0507011D.D
Sampled:	05/09/12 09:59	Prepared:	05/11/12 00:00	Analyzed:	05/11/12 13:47
Solids:		Preparation:	5030B	Dilution:	5

Batch: 2E11004 Sequence: 2E13504 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	104	12.5	25.0	50.0	D
71-43-2	Benzene		1.25	2.50	5.00	U
108-86-1	Bromobenzene		1.25	2.50	5.00	U
74-97-5	Bromochloromethane		1.25	2.50	5.00	U
75-27-4	Bromodichloromethane		1.25	2.50	5.00	U
75-25-2	Bromoform		1.25	2.50	5.00	U
74-83-9	Bromomethane		2.50	5.00	10.0	Q, U
104-51-8	n-Butylbenzene		1.25	2.50	5.00	U
78-93-3	2-Butanone		12.5	25.0	50.0	U
135-98-8	sec-Butylbenzene		1.25	2.50	5.00	U
98-06-6	tert-Butylbenzene		1.25	2.50	5.00	U
75-15-0	Carbon disulfide		1.25	2.50	5.00	U
56-23-5	Carbon tetrachloride		1.25	2.50	5.00	X, U
108-90-7	Chlorobenzene		1.25	2.50	5.00	U
75-00-3	Chloroethane		2.50	5.00	10.0	U
67-66-3	Chloroform		1.25	2.50	5.00	U
74-87-3	Chloromethane		1.25	2.50	5.00	U
95-49-8	2-Chlorotoluene		1.25	2.50	5.00	U
106-43-4	4-Chlorotoluene		1.25	2.50	5.00	U
124-48-1	Dibromochloromethane		1.25	2.50	5.00	U
96-12-8	1,2-Dibromo-3-chloropropane		2.50	5.00	10.0	U
106-93-4	1,2-Dibromoethane (EDB)		1.25	2.50	5.00	U
74-95-3	Dibromomethane		1.25	2.50	5.00	U
95-50-1	1,2-Dichlorobenzene		1.25	2.50	5.00	U
541-73-1	1,3-Dichlorobenzene		1.25	2.50	5.00	U
106-46-7	1,4-Dichlorobenzene		1.25	2.50	5.00	U
75-71-8	Dichlorodifluoromethane		2.50	5.00	10.0	U
75-34-3	1,1-Dichloroethane		1.25	2.50	5.00	U
107-06-2	1,2-Dichloroethane	1.55	1.25	2.50	5.00	J, D
75-35-4	1,1-Dichloroethene		1.25	2.50	5.00	U
156-59-2	cis-1,2-Dichloroethene		1.25	2.50	5.00	U
156-60-5	trans-1,2-Dichloroethene		1.25	2.50	5.00	U
78-87-5	1,2-Dichloropropane		1.25	2.50	5.00	U
142-28-9	1,3-Dichloropropane		1.25	2.50	5.00	U
594-20-7	2,2-Dichloropropane		1.25	2.50	5.00	U
563-58-6	1,1-Dichloropropene		1.25	2.50	5.00	U
10061-01-5	cis-1,3-Dichloropropene		1.25	2.50	5.00	U
10061-02-6	trans-1,3-Dichloropropene		1.25	2.50	5.00	U
100-41-4	Ethylbenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	10.0	U

ANALYSIS DATA SHEET

GW0600

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-11	File ID:	0507011D.D
Sampled:	05/09/12 09:59	Prepared:	05/11/12 00:00	Analyzed:	05/11/12 13:47
Solids:		Preparation:	5030B	Dilution:	5

Batch: 2E11004 Sequence: 2E13504 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		6.25	12.5	25.0	U
98-82-8	Isopropylbenzene		1.25	2.50	5.00	U
99-87-6	p-Isopropyltoluene		1.25	2.50	5.00	U
75-09-2	Methylene chloride		2.50	5.00	10.0	U
91-20-3	Naphthalene		1.25	2.50	10.0	U
108-10-1	4-Methyl-2-pentanone		6.25	12.5	25.0	U
1634-04-4	Methyl t-Butyl Ether		1.25	2.50	5.00	U
103-65-1	n-Propylbenzene		1.25	2.50	5.00	U
100-42-5	Styrene		1.25	2.50	5.00	U
79-34-5	1,1,2,2-Tetrachloroethane		1.25	2.50	5.00	U
630-20-6	1,1,1,2-Tetrachloroethane		1.25	2.50	5.00	U
127-18-4	Tetrachloroethene		1.25	2.50	5.00	U
108-88-3	Toluene		1.25	2.50	5.00	U
87-61-6	1,2,3-Trichlorobenzene		1.25	2.50	10.0	U
120-82-1	1,2,4-Trichlorobenzene		1.25	2.50	10.0	U
79-00-5	1,1,2-Trichloroethane		1.25	2.50	5.00	U
71-55-6	1,1,1-Trichloroethane		1.25	2.50	5.00	U
79-01-6	Trichloroethene		1.25	2.50	5.00	U
75-69-4	Trichlorofluoromethane		2.50	5.00	10.0	U
96-18-4	1,2,3-Trichloropropane		2.50	5.00	10.0	U
108-67-8	1,3,5-Trimethylbenzene		1.25	2.50	5.00	U
95-63-6	1,2,4-Trimethylbenzene		1.25	2.50	5.00	U
75-01-4	Vinyl chloride		1.25	2.50	5.00	U
1330-20-7	Xylenes (total)		3.75	7.50	15.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.36	101	75 - 120	
Dibromofluoromethane	30.00	30.44	101	85 - 115	
1,2-Dichloroethane-d4	30.00	29.86	99.5	70 - 120	
Toluene-d8	30.00	30.78	103	85 - 120	

ANALYSIS DATA SHEET

GW0609

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-13	File ID:	0507013.D
Sampled:	05/08/12 15:01	Prepared:	05/11/12 00:00	Analyzed:	05/11/12 12:54
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E11004 Sequence: 2E13504 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	Q, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	X, U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0609

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-13	File ID:	0507013.D
Sampled:	05/08/12 15:01	Prepared:	05/11/12 00:00	Analyzed:	05/11/12 12:54
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E11004 Sequence: 2E13504 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene	0.360	0.250	0.500	1.00	J
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.47	102	75 - 120	
Dibromofluoromethane	30.00	31.13	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.89	103	70 - 120	
Toluene-d8	30.00	30.07	100	85 - 120	

ANALYSIS DATA SHEET

GW8204-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-15	File ID:	0507015.D
Sampled:	05/09/12 08:00	Prepared:	05/11/12 00:00	Analyzed:	05/11/12 09:46
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E11004 Sequence: 2E13504 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	Q, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	X, U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW8204-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-15	File ID:	0507015.D
Sampled:	05/09/12 08:00	Prepared:	05/11/12 00:00	Analyzed:	05/11/12 09:46
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E11004 Sequence: 2E13504 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.91	103	75 - 120	
Dibromofluoromethane	30.00	30.58	102	85 - 115	
1,2-Dichloroethane-d4	30.00	30.76	103	70 - 120	
Toluene-d8	30.00	30.53	102	85 - 120	

ANALYSIS DATA SHEET

GW0508

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-01	File ID:	0508001D.D
Sampled:	05/09/12 15:58	Prepared:	05/14/12 00:00	Analyzed:	05/14/12 17:19
Solids:		Preparation:	5030B	Dilution:	5

Batch: 2E14013 Sequence: 2E13604 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	59.6	12.5	25.0	50.0	D
71-43-2	Benzene	380	1.25	2.50	5.00	D
108-86-1	Bromobenzene		1.25	2.50	5.00	U
74-97-5	Bromochloromethane		1.25	2.50	5.00	U
75-27-4	Bromodichloromethane		1.25	2.50	5.00	U
75-25-2	Bromoform		1.25	2.50	5.00	U
74-83-9	Bromomethane		2.50	5.00	10.0	U
104-51-8	n-Butylbenzene	2.95	1.25	2.50	5.00	J, D
78-93-3	2-Butanone	26.8	12.5	25.0	50.0	J, D
135-98-8	sec-Butylbenzene	2.20	1.25	2.50	5.00	J, D
98-06-6	tert-Butylbenzene		1.25	2.50	5.00	U
75-15-0	Carbon disulfide		1.25	2.50	5.00	U
56-23-5	Carbon tetrachloride		1.25	2.50	5.00	X, U
108-90-7	Chlorobenzene		1.25	2.50	5.00	U
75-00-3	Chloroethane		2.50	5.00	10.0	U
67-66-3	Chloroform		1.25	2.50	5.00	U
74-87-3	Chloromethane		1.25	2.50	5.00	Y, U
95-49-8	2-Chlorotoluene		1.25	2.50	5.00	U
106-43-4	4-Chlorotoluene		1.25	2.50	5.00	U
124-48-1	Dibromochloromethane		1.25	2.50	5.00	U
96-12-8	1,2-Dibromo-3-chloropropane		2.50	5.00	10.0	U
106-93-4	1,2-Dibromoethane (EDB)	3.70	1.25	2.50	5.00	J, D
74-95-3	Dibromomethane		1.25	2.50	5.00	U
95-50-1	1,2-Dichlorobenzene		1.25	2.50	5.00	U
541-73-1	1,3-Dichlorobenzene		1.25	2.50	5.00	U
106-46-7	1,4-Dichlorobenzene		1.25	2.50	5.00	U
75-71-8	Dichlorodifluoromethane		2.50	5.00	10.0	U
75-34-3	1,1-Dichloroethane		1.25	2.50	5.00	U
107-06-2	1,2-Dichloroethane		1.25	2.50	5.00	U
75-35-4	1,1-Dichloroethene		1.25	2.50	5.00	U
156-59-2	cis-1,2-Dichloroethene		1.25	2.50	5.00	U
156-60-5	trans-1,2-Dichloroethene		1.25	2.50	5.00	U
78-87-5	1,2-Dichloropropane		1.25	2.50	5.00	U
142-28-9	1,3-Dichloropropane		1.25	2.50	5.00	U
594-20-7	2,2-Dichloropropane		1.25	2.50	5.00	X, U
563-58-6	1,1-Dichloropropene		1.25	2.50	5.00	U
10061-01-5	cis-1,3-Dichloropropene		1.25	2.50	5.00	U
10061-02-6	trans-1,3-Dichloropropene		1.25	2.50	5.00	U
100-41-4	Ethylbenzene	71.3	1.25	2.50	5.00	D
87-68-3	Hexachlorobutadiene		1.25	2.50	10.0	U

ANALYSIS DATA SHEET

GW0508

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-01	File ID:	0508001D.D
Sampled:	05/09/12 15:58	Prepared:	05/14/12 00:00	Analyzed:	05/14/12 17:19
Solids:		Preparation:	5030B	Dilution:	5

Batch: 2E14013 Sequence: 2E13604 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		6.25	12.5	25.0	U
98-82-8	Isopropylbenzene	6.45	1.25	2.50	5.00	D
99-87-6	p-Isopropyltoluene	1.75	1.25	2.50	5.00	J, D
75-09-2	Methylene chloride		2.50	5.00	10.0	U
91-20-3	Naphthalene	28.4	1.25	2.50	10.0	D
108-10-1	4-Methyl-2-pentanone	19.2	6.25	12.5	25.0	J, D
1634-04-4	Methyl t-Butyl Ether		1.25	2.50	5.00	U
103-65-1	n-Propylbenzene	5.60	1.25	2.50	5.00	D
100-42-5	Styrene		1.25	2.50	5.00	U
79-34-5	1,1,2,2-Tetrachloroethane		1.25	2.50	5.00	U
630-20-6	1,1,1,2-Tetrachloroethane		1.25	2.50	5.00	U
127-18-4	Tetrachloroethene		1.25	2.50	5.00	U
108-88-3	Toluene	250	1.25	2.50	5.00	D
87-61-6	1,2,3-Trichlorobenzene		1.25	2.50	10.0	U
120-82-1	1,2,4-Trichlorobenzene		1.25	2.50	10.0	U
79-00-5	1,1,2-Trichloroethane		1.25	2.50	5.00	U
71-55-6	1,1,1-Trichloroethane		1.25	2.50	5.00	U
79-01-6	Trichloroethene		1.25	2.50	5.00	U
75-69-4	Trichlorofluoromethane		2.50	5.00	10.0	U
96-18-4	1,2,3-Trichloropropane		2.50	5.00	10.0	U
108-67-8	1,3,5-Trimethylbenzene	17.5	1.25	2.50	5.00	D
95-63-6	1,2,4-Trimethylbenzene	43.8	1.25	2.50	5.00	D
75-01-4	Vinyl chloride		1.25	2.50	5.00	U
1330-20-7	Xylenes (total)	183	3.75	7.50	15.0	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.39	101	75 - 120	
Dibromofluoromethane	30.00	30.89	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.04	100	70 - 120	
Toluene-d8	30.00	30.82	103	85 - 120	

ANALYSIS DATA SHEET

GW0509

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-03	File ID:	0508003D.D
Sampled:	05/10/12 11:21	Prepared:	05/14/12 00:00	Analyzed:	05/14/12 17:45
Solids:		Preparation:	5030B	Dilution:	2

Batch: 2E14013 Sequence: 2E13604 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		5.00	10.0	20.0	U
71-43-2	Benzene	380	0.500	1.00	2.00	D
108-86-1	Bromobenzene		0.500	1.00	2.00	U
74-97-5	Bromochloromethane		0.500	1.00	2.00	U
75-27-4	Bromodichloromethane		0.500	1.00	2.00	U
75-25-2	Bromoform		0.500	1.00	2.00	U
74-83-9	Bromomethane		1.00	2.00	4.00	YU
104-51-8	n-Butylbenzene		0.500	1.00	2.00	U
78-93-3	2-Butanone		5.00	10.0	20.0	U
135-98-8	sec-Butylbenzene	0.860	0.500	1.00	2.00	J, D
98-06-6	tert-Butylbenzene		0.500	1.00	2.00	U
75-15-0	Carbon disulfide		0.500	1.00	2.00	U
56-23-5	Carbon tetrachloride		0.500	1.00	2.00	X, U
108-90-7	Chlorobenzene		0.500	1.00	2.00	U
75-00-3	Chloroethane		1.00	2.00	4.00	U
67-66-3	Chloroform		0.500	1.00	2.00	U
74-87-3	Chloromethane		0.500	1.00	2.00	Y, U
95-49-8	2-Chlorotoluene		0.500	1.00	2.00	U
106-43-4	4-Chlorotoluene		0.500	1.00	2.00	U
124-48-1	Dibromochloromethane		0.500	1.00	2.00	U
96-12-8	1,2-Dibromo-3-chloropropane		1.00	2.00	4.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.500	1.00	2.00	U
74-95-3	Dibromomethane		0.500	1.00	2.00	U
95-50-1	1,2-Dichlorobenzene		0.500	1.00	2.00	U
541-73-1	1,3-Dichlorobenzene		0.500	1.00	2.00	U
106-46-7	1,4-Dichlorobenzene		0.500	1.00	2.00	U
75-71-8	Dichlorodifluoromethane		1.00	2.00	4.00	U
75-34-3	1,1-Dichloroethane		0.500	1.00	2.00	U
107-06-2	1,2-Dichloroethane		0.500	1.00	2.00	U
75-35-4	1,1-Dichloroethene		0.500	1.00	2.00	U
156-59-2	cis-1,2-Dichloroethene		0.500	1.00	2.00	U
156-60-5	trans-1,2-Dichloroethene		0.500	1.00	2.00	U
78-87-5	1,2-Dichloropropane		0.500	1.00	2.00	U
142-28-9	1,3-Dichloropropane		0.500	1.00	2.00	U
594-20-7	2,2-Dichloropropane		0.500	1.00	2.00	X, U
563-58-6	1,1-Dichloropropene		0.500	1.00	2.00	U
10061-01-5	cis-1,3-Dichloropropene		0.500	1.00	2.00	U
10061-02-6	trans-1,3-Dichloropropene		0.500	1.00	2.00	U
100-41-4	Ethylbenzene	31.5	0.500	1.00	2.00	D
87-68-3	Hexachlorobutadiene		0.500	1.00	4.00	U

ANALYSIS DATA SHEET

GW0509

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-03	File ID:	0508003D.D
Sampled:	05/10/12 11:21	Prepared:	05/14/12 00:00	Analyzed:	05/14/12 17:45
Solids:		Preparation:	5030B	Dilution:	2

Batch: 2E14013 Sequence: 2E13604 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		2.50	5.00	10.0	U
98-82-8	Isopropylbenzene	5.24	0.500	1.00	2.00	D
99-87-6	p-Isopropyltoluene		0.500	1.00	2.00	U
75-09-2	Methylene chloride		1.00	2.00	4.00	U
91-20-3	Naphthalene	3.18	0.500	1.00	4.00	J, D
108-10-1	4-Methyl-2-pentanone	5.58	2.50	5.00	10.0	J, D
1634-04-4	Methyl t-Butyl Ether		0.500	1.00	2.00	U
103-65-1	n-Propylbenzene	2.14	0.500	1.00	2.00	D
100-42-5	Styrene		0.500	1.00	2.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.500	1.00	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.500	1.00	2.00	U
127-18-4	Tetrachloroethene		0.500	1.00	2.00	U
108-88-3	Toluene	166	0.500	1.00	2.00	D
87-61-6	1,2,3-Trichlorobenzene		0.500	1.00	4.00	U
120-82-1	1,2,4-Trichlorobenzene		0.500	1.00	4.00	U
79-00-5	1,1,2-Trichloroethane		0.500	1.00	2.00	U
71-55-6	1,1,1-Trichloroethane		0.500	1.00	2.00	U
79-01-6	Trichloroethene		0.500	1.00	2.00	U
75-69-4	Trichlorofluoromethane		1.00	2.00	4.00	U
96-18-4	1,2,3-Trichloropropane		1.00	2.00	4.00	U
108-67-8	1,3,5-Trimethylbenzene	1.46	0.500	1.00	2.00	J, D
95-63-6	1,2,4-Trimethylbenzene	2.02	0.500	1.00	2.00	D
75-01-4	Vinyl chloride		0.500	1.00	2.00	U
1330-20-7	Xylenes (total)	27.1	1.50	3.00	6.00	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.01	103	75 - 120	
Dibromofluoromethane	30.00	31.07	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.61	102	70 - 120	
Toluene-d8	30.00	30.33	101	85 - 120	

ANALYSIS DATA SHEET

GW0513

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-05	File ID:	0508005D.D
Sampled:	05/09/12 15:48	Prepared:	05/14/12 00:00	Analyzed:	05/14/12 18:12
Solids:		Preparation:	5030B	Dilution:	100

Batch: 2E14013 Sequence: 2E13604 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		250	500	1000	U
71-43-2	Benzene	14200	25.0	50.0	100	D
108-86-1	Bromobenzene		25.0	50.0	100	U
74-97-5	Bromochloromethane		25.0	50.0	100	U
75-27-4	Bromodichloromethane		25.0	50.0	100	U
75-25-2	Bromoform		25.0	50.0	100	U
74-83-9	Bromomethane		50.0	100	200	U
104-51-8	n-Butylbenzene		25.0	50.0	100	U
78-93-3	2-Butanone		250	500	1000	U
135-98-8	sec-Butylbenzene		25.0	50.0	100	U
98-06-6	tert-Butylbenzene		25.0	50.0	100	U
75-15-0	Carbon disulfide	48.0	25.0	50.0	100	J, D
56-23-5	Carbon tetrachloride		25.0	50.0	100	X, U
108-90-7	Chlorobenzene		25.0	50.0	100	U
75-00-3	Chloroethane		50.0	100	200	U
67-66-3	Chloroform		25.0	50.0	100	U
74-87-3	Chloromethane		25.0	50.0	100	Y, U
95-49-8	2-Chlorotoluene		25.0	50.0	100	U
106-43-4	4-Chlorotoluene		25.0	50.0	100	U
124-48-1	Dibromochloromethane		25.0	50.0	100	U
96-12-8	1,2-Dibromo-3-chloropropane		50.0	100	200	U
106-93-4	1,2-Dibromoethane (EDB)		25.0	50.0	100	U
74-95-3	Dibromomethane		25.0	50.0	100	U
95-50-1	1,2-Dichlorobenzene		25.0	50.0	100	U
541-73-1	1,3-Dichlorobenzene		25.0	50.0	100	U
106-46-7	1,4-Dichlorobenzene		25.0	50.0	100	U
75-71-8	Dichlorodifluoromethane		50.0	100	200	U
75-34-3	1,1-Dichloroethane		25.0	50.0	100	U
107-06-2	1,2-Dichloroethane		25.0	50.0	100	U
75-35-4	1,1-Dichloroethene		25.0	50.0	100	U
156-59-2	cis-1,2-Dichloroethene		25.0	50.0	100	U
156-60-5	trans-1,2-Dichloroethene		25.0	50.0	100	U
78-87-5	1,2-Dichloropropane		25.0	50.0	100	U
142-28-9	1,3-Dichloropropane		25.0	50.0	100	U
594-20-7	2,2-Dichloropropane		25.0	50.0	100	X, U
563-58-6	1,1-Dichloropropene		25.0	50.0	100	U
10061-01-5	cis-1,3-Dichloropropene		25.0	50.0	100	U
10061-02-6	trans-1,3-Dichloropropene		25.0	50.0	100	U
100-41-4	Ethylbenzene	1500	25.0	50.0	100	D
87-68-3	Hexachlorobutadiene		25.0	50.0	200	U

ANALYSIS DATA SHEET

GW0513

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-05	File ID:	0508005D.D
Sampled:	05/09/12 15:48	Prepared:	05/14/12 00:00	Analyzed:	05/14/12 18:12
Solids:		Preparation:	5030B	Dilution:	100

Batch: 2E14013 Sequence: 2E13604 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		125	250	500	U
98-82-8	Isopropylbenzene	89.0	25.0	50.0	100	J, D
99-87-6	p-Isopropyltoluene		25.0	50.0	100	U
75-09-2	Methylene chloride		50.0	100	200	U
91-20-3	Naphthalene	120	25.0	50.0	200	J, D
108-10-1	4-Methyl-2-pentanone		125	250	500	U
1634-04-4	Methyl t-Butyl Ether		25.0	50.0	100	U
103-65-1	n-Propylbenzene	92.0	25.0	50.0	100	J, D
100-42-5	Styrene		25.0	50.0	100	U
79-34-5	1,1,2,2-Tetrachloroethane		25.0	50.0	100	U
630-20-6	1,1,1,2-Tetrachloroethane		25.0	50.0	100	U
127-18-4	Tetrachloroethene		25.0	50.0	100	U
108-88-3	Toluene	6260	25.0	50.0	100	D
87-61-6	1,2,3-Trichlorobenzene		25.0	50.0	200	U
120-82-1	1,2,4-Trichlorobenzene		25.0	50.0	200	U
79-00-5	1,1,2-Trichloroethane		25.0	50.0	100	U
71-55-6	1,1,1-Trichloroethane		25.0	50.0	100	U
79-01-6	Trichloroethene		25.0	50.0	100	U
75-69-4	Trichlorofluoromethane		50.0	100	200	U
96-18-4	1,2,3-Trichloropropane		50.0	100	200	U
108-67-8	1,3,5-Trimethylbenzene	90.0	25.0	50.0	100	J, D
95-63-6	1,2,4-Trimethylbenzene	282	25.0	50.0	100	D
75-01-4	Vinyl chloride		25.0	50.0	100	U
1330-20-7	Xylenes (total)	1810	75.0	150	300	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.78	103	75 - 120	
Dibromofluoromethane	30.00	31.18	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.55	102	70 - 120	
Toluene-d8	30.00	29.79	99.3	85 - 120	

ANALYSIS DATA SHEET

GW0583

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-07	File ID:	0508007D.D
Sampled:	05/10/12 15:38	Prepared:	05/14/12 00:00	Analyzed:	05/14/12 18:39
Solids:		Preparation:	5030B	Dilution:	50

Batch: 2E14013 Sequence: 2E13604 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	28400	125	250	500	E, D
71-43-2	Benzene	5060	12.5	25.0	50.0	D
108-86-1	Bromobenzene		12.5	25.0	50.0	U
74-97-5	Bromochloromethane		12.5	25.0	50.0	U
75-27-4	Bromodichloromethane		12.5	25.0	50.0	U
75-25-2	Bromoform		12.5	25.0	50.0	U
74-83-9	Bromomethane		25.0	50.0	100	U
104-51-8	n-Butylbenzene		12.5	25.0	50.0	U
78-93-3	2-Butanone	3480	125	250	500	D
135-98-8	sec-Butylbenzene		12.5	25.0	50.0	U
98-06-6	tert-Butylbenzene		12.5	25.0	50.0	U
75-15-0	Carbon disulfide		12.5	25.0	50.0	U
56-23-5	Carbon tetrachloride		12.5	25.0	50.0	X, U
108-90-7	Chlorobenzene		12.5	25.0	50.0	U
75-00-3	Chloroethane		25.0	50.0	100	U
67-66-3	Chloroform		12.5	25.0	50.0	U
74-87-3	Chloromethane		12.5	25.0	50.0	Y, U
95-49-8	2-Chlorotoluene		12.5	25.0	50.0	U
106-43-4	4-Chlorotoluene		12.5	25.0	50.0	U
124-48-1	Dibromochloromethane		12.5	25.0	50.0	U
96-12-8	1,2-Dibromo-3-chloropropane		25.0	50.0	100	U
106-93-4	1,2-Dibromoethane (EDB)	299	12.5	25.0	50.0	D
74-95-3	Dibromomethane		12.5	25.0	50.0	U
95-50-1	1,2-Dichlorobenzene		12.5	25.0	50.0	U
541-73-1	1,3-Dichlorobenzene		12.5	25.0	50.0	U
106-46-7	1,4-Dichlorobenzene		12.5	25.0	50.0	U
75-71-8	Dichlorodifluoromethane		25.0	50.0	100	U
75-34-3	1,1-Dichloroethane		12.5	25.0	50.0	U
107-06-2	1,2-Dichloroethane		12.5	25.0	50.0	U
75-35-4	1,1-Dichloroethene		12.5	25.0	50.0	U
156-59-2	cis-1,2-Dichloroethene		12.5	25.0	50.0	U
156-60-5	trans-1,2-Dichloroethene		12.5	25.0	50.0	U
78-87-5	1,2-Dichloropropane		12.5	25.0	50.0	U
142-28-9	1,3-Dichloropropane		12.5	25.0	50.0	U
594-20-7	2,2-Dichloropropane		12.5	25.0	50.0	X, U
563-58-6	1,1-Dichloropropene		12.5	25.0	50.0	U
10061-01-5	cis-1,3-Dichloropropene		12.5	25.0	50.0	U
10061-02-6	trans-1,3-Dichloropropene		12.5	25.0	50.0	U
100-41-4	Ethylbenzene	402	12.5	25.0	50.0	D
87-68-3	Hexachlorobutadiene		12.5	25.0	100	U

ANALYSIS DATA SHEET

GW0583

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-07	File ID:	0508007D.D
Sampled:	05/10/12 15:38	Prepared:	05/14/12 00:00	Analyzed:	05/14/12 18:39
Solids:		Preparation:	5030B	Dilution:	50

Batch: 2E14013 Sequence: 2E13604 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	1530	62.5	125	250	D
98-82-8	Isopropylbenzene	34.0	12.5	25.0	50.0	J, D
99-87-6	p-Isopropyltoluene		12.5	25.0	50.0	U
75-09-2	Methylene chloride		25.0	50.0	100	U
91-20-3	Naphthalene	118	12.5	25.0	100	D
108-10-1	4-Methyl-2-pentanone	916	62.5	125	250	D
1634-04-4	Methyl t-Butyl Ether		12.5	25.0	50.0	U
103-65-1	n-Propylbenzene	34.0	12.5	25.0	50.0	J, D
100-42-5	Styrene		12.5	25.0	50.0	U
79-34-5	1,1,2,2-Tetrachloroethane		12.5	25.0	50.0	U
630-20-6	1,1,1,2-Tetrachloroethane		12.5	25.0	50.0	U
127-18-4	Tetrachloroethene		12.5	25.0	50.0	U
108-88-3	Toluene	6560	12.5	25.0	50.0	D
87-61-6	1,2,3-Trichlorobenzene		12.5	25.0	100	U
120-82-1	1,2,4-Trichlorobenzene		12.5	25.0	100	U
79-00-5	1,1,2-Trichloroethane		12.5	25.0	50.0	U
71-55-6	1,1,1-Trichloroethane		12.5	25.0	50.0	U
79-01-6	Trichloroethene		12.5	25.0	50.0	U
75-69-4	Trichlorofluoromethane		25.0	50.0	100	U
96-18-4	1,2,3-Trichloropropane		25.0	50.0	100	U
108-67-8	1,3,5-Trimethylbenzene	49.5	12.5	25.0	50.0	J, D
95-63-6	1,2,4-Trimethylbenzene	182	12.5	25.0	50.0	D
75-01-4	Vinyl chloride		12.5	25.0	50.0	U
1330-20-7	Xylenes (total)	1610	37.5	75.0	150	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.67	102	75 - 120	
Dibromofluoromethane	30.00	31.12	104	85 - 115	
1,2-Dichloroethane-d4	30.00	31.48	105	70 - 120	
Toluene-d8	30.00	30.58	102	85 - 120	

ANALYSIS DATA SHEET

GW0583

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-07RE1	File ID:	0508007R.D
Sampled:	05/10/12 15:38	Prepared:	05/15/12 00:00	Analyzed:	05/15/12 18:35
Solids:		Preparation:	5030B	Dilution:	100

Batch: 2E15012 Sequence: 2E13704 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	28000	250	500	1000	D
71-43-2	Benzene	5050	25.0	50.0	100	D
108-86-1	Bromobenzene		25.0	50.0	100	U
74-97-5	Bromochloromethane		25.0	50.0	100	U
75-27-4	Bromodichloromethane		25.0	50.0	100	U
75-25-2	Bromoform		25.0	50.0	100	U
74-83-9	Bromomethane		50.0	100	200	Y, U
104-51-8	n-Butylbenzene		25.0	50.0	100	U
78-93-3	2-Butanone	3280	250	500	1000	D
135-98-8	sec-Butylbenzene		25.0	50.0	100	U
98-06-6	tert-Butylbenzene		25.0	50.0	100	U
75-15-0	Carbon disulfide	27.0	25.0	50.0	100	J, D
56-23-5	Carbon tetrachloride		25.0	50.0	100	X, U
108-90-7	Chlorobenzene		25.0	50.0	100	U
75-00-3	Chloroethane		50.0	100	200	U
67-66-3	Chloroform		25.0	50.0	100	U
74-87-3	Chloromethane		25.0	50.0	100	Y, U
95-49-8	2-Chlorotoluene		25.0	50.0	100	U
106-43-4	4-Chlorotoluene		25.0	50.0	100	U
124-48-1	Dibromochloromethane		25.0	50.0	100	U
96-12-8	1,2-Dibromo-3-chloropropane		50.0	100	200	U
106-93-4	1,2-Dibromoethane (EDB)	273	25.0	50.0	100	D
74-95-3	Dibromomethane		25.0	50.0	100	U
95-50-1	1,2-Dichlorobenzene		25.0	50.0	100	U
541-73-1	1,3-Dichlorobenzene		25.0	50.0	100	U
106-46-7	1,4-Dichlorobenzene		25.0	50.0	100	U
75-71-8	Dichlorodifluoromethane		50.0	100	200	U
75-34-3	1,1-Dichloroethane		25.0	50.0	100	U
107-06-2	1,2-Dichloroethane		25.0	50.0	100	U
75-35-4	1,1-Dichloroethene		25.0	50.0	100	U
156-59-2	cis-1,2-Dichloroethene		25.0	50.0	100	U
156-60-5	trans-1,2-Dichloroethene		25.0	50.0	100	U
78-87-5	1,2-Dichloropropane		25.0	50.0	100	U
142-28-9	1,3-Dichloropropane		25.0	50.0	100	U
594-20-7	2,2-Dichloropropane		25.0	50.0	100	X, U
563-58-6	1,1-Dichloropropene		25.0	50.0	100	U
10061-01-5	cis-1,3-Dichloropropene		25.0	50.0	100	U
10061-02-6	trans-1,3-Dichloropropene		25.0	50.0	100	U
100-41-4	Ethylbenzene	373	25.0	50.0	100	D
87-68-3	Hexachlorobutadiene		25.0	50.0	200	U

ANALYSIS DATA SHEET

GW0583

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-07RE1	File ID:	0508007R.D
Sampled:	05/10/12 15:38	Prepared:	05/15/12 00:00	Analyzed:	05/15/12 18:35
Solids:		Preparation:	5030B	Dilution:	100

Batch: 2E15012 Sequence: 2E13704 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	1420	125	250	500	D
98-82-8	Isopropylbenzene	31.0	25.0	50.0	100	J, D
99-87-6	p-Isopropyltoluene		25.0	50.0	100	U
75-09-2	Methylene chloride		50.0	100	200	U
91-20-3	Naphthalene	102	25.0	50.0	200	J, D
108-10-1	4-Methyl-2-pentanone	859	125	250	500	D
1634-04-4	Methyl t-Butyl Ether		25.0	50.0	100	U
103-65-1	n-Propylbenzene	34.0	25.0	50.0	100	J, D
100-42-5	Styrene		25.0	50.0	100	U
79-34-5	1,1,2,2-Tetrachloroethane		25.0	50.0	100	U
630-20-6	1,1,1,2-Tetrachloroethane		25.0	50.0	100	U
127-18-4	Tetrachloroethene		25.0	50.0	100	U
108-88-3	Toluene	6300	25.0	50.0	100	D
87-61-6	1,2,3-Trichlorobenzene		25.0	50.0	200	U
120-82-1	1,2,4-Trichlorobenzene		25.0	50.0	200	U
79-00-5	1,1,2-Trichloroethane		25.0	50.0	100	U
71-55-6	1,1,1-Trichloroethane		25.0	50.0	100	U
79-01-6	Trichloroethene		25.0	50.0	100	U
75-69-4	Trichlorofluoromethane		50.0	100	200	U
96-18-4	1,2,3-Trichloropropane		50.0	100	200	U
108-67-8	1,3,5-Trimethylbenzene	47.0	25.0	50.0	100	J, D
95-63-6	1,2,4-Trimethylbenzene	169	25.0	50.0	100	D
75-01-4	Vinyl chloride		25.0	50.0	100	U
1330-20-7	Xylenes (total)	1520	75.0	150	300	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.50	102	75 - 120	
Dibromofluoromethane	30.00	31.41	105	85 - 115	
1,2-Dichloroethane-d4	30.00	31.47	105	70 - 120	
Toluene-d8	30.00	30.00	100	85 - 120	

ANALYSIS DATA SHEET

GW0584

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-09	File ID:	0508009.D
Sampled:	05/10/12 11:10	Prepared:	05/14/12 00:00	Analyzed:	05/14/12 14:11
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E14013 Sequence: 2E13604 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	X, U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	Y, U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane	0.790	0.500	1.00	2.00	J
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	X, U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0584

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-09	File ID:	0508009.D
Sampled:	05/10/12 11:10	Prepared:	05/14/12 00:00	Analyzed:	05/14/12 14:11
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E14013 Sequence: 2E13604 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.39	101	75 - 120	
Dibromofluoromethane	30.00	30.96	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.65	102	70 - 120	
Toluene-d8	30.00	29.87	99.6	85 - 120	

ANALYSIS DATA SHEET

GW8051-RB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-11	File ID:	0508011.D
Sampled:	05/10/12 08:22	Prepared:	05/14/12 00:00	Analyzed:	05/14/12 11:57
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E14013 Sequence: 2E13604 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	5.15	2.50	5.00	10.0	J
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	X, U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	Y, U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	X, U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW8051-RB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-11	File ID:	0508011.D
Sampled:	05/10/12 08:22	Prepared:	05/14/12 00:00	Analyzed:	05/14/12 11:57
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E14013 Sequence: 2E13604 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene	0.260	0.250	0.500	1.00	J
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.69	102	75 - 120	
Dibromofluoromethane	30.00	31.11	104	85 - 115	
1,2-Dichloroethane-d4	30.00	31.06	104	70 - 120	
Toluene-d8	30.00	30.02	100	85 - 120	

ANALYSIS DATA SHEET

GW8205-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-13	File ID:	0508013.D
Sampled:	05/10/12 08:00	Prepared:	05/14/12 00:00	Analyzed:	05/14/12 12:23
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E14013 Sequence: 2E13604 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	X, U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	Y, U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	X, U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW8205-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-13	File ID:	0508013.D
Sampled:	05/10/12 08:00	Prepared:	05/14/12 00:00	Analyzed:	05/14/12 12:23
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E14013 Sequence: 2E13604 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.93	103	75 - 120	
Dibromofluoromethane	30.00	30.91	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.80	103	70 - 120	
Toluene-d8	30.00	30.33	101	85 - 120	

ANALYSIS DATA SHEET

GW0585

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205096-01	File ID:	0509601.D
Sampled:	05/14/12 11:43	Prepared:	05/17/12 00:00	Analyzed:	05/17/12 13:23
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E17014 Sequence: 2E13906 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	Y, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	X, U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0585

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205096-01	File ID:	0509601.D
Sampled:	05/14/12 11:43	Prepared:	05/17/12 00:00	Analyzed:	05/17/12 13:23
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E17014 Sequence: 2E13906 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.09	104	75 - 120	
Dibromofluoromethane	30.00	30.89	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.78	103	70 - 120	
Toluene-d8	30.00	30.32	101	85 - 120	

ANALYSIS DATA SHEET

GW8206-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205096-03	File ID:	0509603.D
Sampled:	05/14/12 08:00	Prepared:	05/17/12 00:00	Analyzed:	05/17/12 12:03
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E17014 Sequence: 2E13906 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	Y, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	X, U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW8206-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205096-03	File ID:	0509603.D
Sampled:	05/14/12 08:00	Prepared:	05/17/12 00:00	Analyzed:	05/17/12 12:03
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E17014 Sequence: 2E13906 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.08	104	75 - 120	
Dibromofluoromethane	30.00	31.10	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.65	102	70 - 120	
Toluene-d8	30.00	30.21	101	85 - 120	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13201	Instrument:	MS-VOA6
		Calibration:	2121003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2E13201-CCV1) ug/L				Lab File ID: 0510CCV1.D		Analyzed: 05/10/12 07:34		
Bromofluorobenzene	30.00	102	80 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	80 - 120	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	80 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	104	80 - 120	9.64	9.64	0.0000	+/-1.000	
LCS (2E10007-BS1) ug/L				Lab File ID: 0510LCS1.D		Analyzed: 05/10/12 08:08		
Bromofluorobenzene	30.00	104	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.64	9.64	0.0000	+/-1.000	
Blank (2E10007-BLK1) ug/L				Lab File ID: 0510BL1.D		Analyzed: 05/10/12 09:29		
Bromofluorobenzene	30.00	102	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.64	9.64	0.0000	+/-1.000	
GW8203-TB (1205054-27) ug/L				Lab File ID: 0505427.D		Analyzed: 05/10/12 09:56		
Bromofluorobenzene	30.00	104	75 - 120	12.25	12.26	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.94	6.93	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.43	7.42	0.0100	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.63	9.64	-0.0100	+/-1.000	
GW8050-RB (1205054-23) ug/L				Lab File ID: 0505423.D		Analyzed: 05/10/12 10:22		
Bromofluorobenzene	30.00	102	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.43	7.42	0.0100	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.64	9.64	0.0000	+/-1.000	
GW8054-AB (1205054-25) ug/L				Lab File ID: 0505425.D		Analyzed: 05/10/12 10:49		
Bromofluorobenzene	30.00	102	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.64	9.64	0.0000	+/-1.000	
GW8055-AB (1205054-26) ug/L				Lab File ID: 0505426.D		Analyzed: 05/10/12 11:16		
Bromofluorobenzene	30.00	101	75 - 120	12.25	12.26	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.43	7.42	0.0100	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.64	9.64	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13201	Instrument:	MS-VOA6
		Calibration:	2121003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0518 (1205054-03) ug/L				Lab File ID: 0505403.D		Analyzed: 05/10/12 13:57		
Bromofluorobenzene	30.00	101	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.43	7.42	0.0100	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.64	9.64	0.0000	+/-1.000	
GW0564 (1205054-07) ug/L				Lab File ID: 0505407.D		Analyzed: 05/10/12 14:24		
Bromofluorobenzene	30.00	102	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.43	7.42	0.0100	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.64	9.64	0.0000	+/-1.000	
GW0565 (1205054-09) ug/L				Lab File ID: 0505409.D		Analyzed: 05/10/12 14:51		
Bromofluorobenzene	30.00	102	75 - 120	12.25	12.26	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.94	6.93	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.43	7.42	0.0100	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.64	9.64	0.0000	+/-1.000	
GW0588 (1205054-13) ug/L				Lab File ID: 0505413.D		Analyzed: 05/10/12 15:18		
Bromofluorobenzene	30.00	103	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.43	7.42	0.0100	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.64	9.64	0.0000	+/-1.000	
GW0589 (1205054-15) ug/L				Lab File ID: 0505415.D		Analyzed: 05/10/12 15:45		
Bromofluorobenzene	30.00	101	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.64	9.64	0.0000	+/-1.000	
GW0517 (1205054-01) ug/L				Lab File ID: 0505401D.D		Analyzed: 05/10/12 16:12		
Bromofluorobenzene	30.00	102	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.43	7.42	0.0100	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.64	9.64	0.0000	+/-1.000	
GW0563 (1205054-05) ug/L				Lab File ID: 0505405D.D		Analyzed: 05/10/12 16:39		
Bromofluorobenzene	30.00	102	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.43	7.42	0.0100	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.64	9.64	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13201	Instrument:	MS-VOA6
		Calibration:	2121003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0587 (1205054-11) ug/L				Lab File ID: 0505411D.D		Analyzed: 05/10/12 17:06		
Bromofluorobenzene	30.00	102	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.43	7.42	0.0100	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.64	9.64	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13504	Instrument:	MS-VOA6
		Calibration:	2121003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2E13504-CCV1) ug/L				Lab File ID: 0511CCV1.D		Analyzed: 05/11/12 06:58		
Bromofluorobenzene	30.00	106	80 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	80 - 120	6.92	6.92	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	80 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	105	80 - 120	9.63	9.63	0.0000	+/-1.000	
LCS (2E11004-BS1) ug/L				Lab File ID: 0511LCS1.D		Analyzed: 05/11/12 07:32		
Bromofluorobenzene	30.00	102	75 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.93	6.92	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.64	9.63	0.0100	+/-1.000	
Blank (2E11004-BLK1) ug/L				Lab File ID: 0511BL1.D		Analyzed: 05/11/12 08:52		
Bromofluorobenzene	30.00	102	75 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.92	6.92	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.63	9.63	0.0000	+/-1.000	
GW8204-TB (1205070-15) ug/L				Lab File ID: 0507015.D		Analyzed: 05/11/12 09:46		
Bromofluorobenzene	30.00	103	75 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.92	6.92	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.63	9.63	0.0000	+/-1.000	
GW0610 (1205054-17) ug/L				Lab File ID: 0505417.D		Analyzed: 05/11/12 10:40		
Bromofluorobenzene	30.00	101	75 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.92	6.92	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.43	7.42	0.0100	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.63	9.63	0.0000	+/-1.000	
GW0611 (1205054-19) ug/L				Lab File ID: 0505419.D		Analyzed: 05/11/12 11:06		
Bromofluorobenzene	30.00	100	75 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.93	6.92	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.64	9.63	0.0100	+/-1.000	
GW0612 (1205054-21) ug/L				Lab File ID: 0505421.D		Analyzed: 05/11/12 11:33		
Bromofluorobenzene	30.00	101	75 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.92	6.92	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	98.4	85 - 120	9.63	9.63	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13504	Instrument:	MS-VOA6
		Calibration:	2121003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0609 (1205070-13) ug/L				Lab File ID: 0507013.D		Analyzed: 05/11/12 12:54		
Bromofluorobenzene	30.00	102	75 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.93	6.92	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.63	9.63	0.0000	+/-1.000	
GW0599 (1205070-09) ug/L				Lab File ID: 0507009D.D		Analyzed: 05/11/12 13:21		
Bromofluorobenzene	30.00	99.3	75 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.92	6.92	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.5	70 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	99.9	85 - 120	9.63	9.63	0.0000	+/-1.000	
GW0600 (1205070-11) ug/L				Lab File ID: 0507011D.D		Analyzed: 05/11/12 13:47		
Bromofluorobenzene	30.00	101	75 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	101	85 - 115	6.92	6.92	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.5	70 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.63	9.63	0.0000	+/-1.000	
GW0511 (1205070-01) ug/L				Lab File ID: 0507001D.D		Analyzed: 05/11/12 14:14		
Bromofluorobenzene	30.00	100	75 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.92	6.92	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.8	70 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.63	9.63	0.0000	+/-1.000	
GW0512 (1205070-03) ug/L				Lab File ID: 0507003D.D		Analyzed: 05/11/12 14:41		
Bromofluorobenzene	30.00	102	75 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.92	6.92	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.3	70 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.63	9.63	0.0000	+/-1.000	
GW0570 (1205070-05) ug/L				Lab File ID: 0507005D.D		Analyzed: 05/11/12 15:08		
Bromofluorobenzene	30.00	100	75 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.92	6.92	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.63	9.63	0.0000	+/-1.000	
GW0586 (1205070-07) ug/L				Lab File ID: 0507007D.D		Analyzed: 05/11/12 15:35		
Bromofluorobenzene	30.00	102	75 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	101	85 - 115	6.92	6.92	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.63	9.63	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13504	Instrument:	MS-VOA6
		Calibration:	2121003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
LCS Dup (2E11004-BSD1) ug/L				Lab File ID: 0511LCD1.D		Analyzed: 05/11/12 16:02		
Bromofluorobenzene	30.00	104	75 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.93	6.92	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.64	9.63	0.0100	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13604	Instrument:	MS-VOA6
		Calibration:	2121003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2E13604-CCV1) ug/L				Lab File ID: 0514CCV1.D		Analyzed: 05/14/12 09:35		
Bromofluorobenzene	30.00	105	80 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	106	80 - 120	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	106	80 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	103	80 - 120	9.64	9.64	0.0000	+/-1.000	
LCS (2E14013-BS1) ug/L				Lab File ID: 0514LCS1.D		Analyzed: 05/14/12 10:09		
Bromofluorobenzene	30.00	105	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	106	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.64	9.64	0.0000	+/-1.000	
Blank (2E14013-BLK1) ug/L				Lab File ID: 0514BL1.D		Analyzed: 05/14/12 11:30		
Bromofluorobenzene	30.00	103	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.64	9.64	0.0000	+/-1.000	
GW8051-RB (1205080-11) ug/L				Lab File ID: 0508011.D		Analyzed: 05/14/12 11:57		
Bromofluorobenzene	30.00	102	75 - 120	12.25	12.26	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.43	7.42	0.0100	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.64	9.64	0.0000	+/-1.000	
GW8205-TB (1205080-13) ug/L				Lab File ID: 0508013.D		Analyzed: 05/14/12 12:23		
Bromofluorobenzene	30.00	103	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.64	9.64	0.0000	+/-1.000	
GW0584 (1205080-09) ug/L				Lab File ID: 0508009.D		Analyzed: 05/14/12 14:11		
Bromofluorobenzene	30.00	101	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.94	6.93	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.43	7.42	0.0100	+/-1.000	
Toluene-d8	30.00	99.6	85 - 120	9.64	9.64	0.0000	+/-1.000	
GW0508 (1205080-01) ug/L				Lab File ID: 0508001D.D		Analyzed: 05/14/12 17:19		
Bromofluorobenzene	30.00	101	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	100	70 - 120	7.43	7.42	0.0100	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.64	9.64	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13604	Instrument:	MS-VOA6
		Calibration:	2121003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0509 (1205080-03) ug/L				Lab File ID: 0508003D.D		Analyzed: 05/14/12 17:45		
Bromofluorobenzene	30.00	103	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.94	6.93	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.43	7.42	0.0100	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.64	9.64	0.0000	+/-1.000	
GW0513 (1205080-05) ug/L				Lab File ID: 0508005D.D		Analyzed: 05/14/12 18:12		
Bromofluorobenzene	30.00	103	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.43	7.42	0.0100	+/-1.000	
Toluene-d8	30.00	99.3	85 - 120	9.64	9.64	0.0000	+/-1.000	
GW0583 (1205080-07) ug/L				Lab File ID: 0508007D.D		Analyzed: 05/14/12 18:39		
Bromofluorobenzene	30.00	102	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.94	6.93	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.43	7.42	0.0100	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.64	9.64	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13704	Instrument:	MS-VOA6
		Calibration:	2121003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2E13704-CCV1) ug/L				Lab File ID: 0515CCV1.D		Analyzed: 05/15/12 09:31		
Bromofluorobenzene	30.00	106	80 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	107	80 - 120	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	80 - 120	7.43	7.43	0.0000	+/-1.000	
Toluene-d8	30.00	102	80 - 120	9.64	9.64	0.0000	+/-1.000	
LCS (2E15012-BS1) ug/L				Lab File ID: 0515LCS1.D		Analyzed: 05/15/12 10:05		
Bromofluorobenzene	30.00	104	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.94	6.93	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.43	7.43	0.0000	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.64	9.64	0.0000	+/-1.000	
Blank (2E15012-BLK1) ug/L				Lab File ID: 0515BL1.D		Analyzed: 05/15/12 11:26		
Bromofluorobenzene	30.00	103	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.42	7.43	-0.0100	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.64	9.64	0.0000	+/-1.000	
GW0583 (1205080-07RE1) ug/L				Lab File ID: 0508007R.D		Analyzed: 05/15/12 18:35		
Bromofluorobenzene	30.00	102	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.43	7.43	0.0000	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.64	9.64	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13906	Instrument:	MS-VOA6
		Calibration:	2121003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2E13906-CCV1) ug/L				Lab File ID: 0517CCV1.D		Analyzed: 05/17/12 09:41		
Bromofluorobenzene	30.00	105	80 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	106	80 - 120	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	80 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	104	80 - 120	9.64	9.64	0.0000	+/-1.000	
LCS (2E17014-BS1) ug/L				Lab File ID: 0517LCS1.D		Analyzed: 05/17/12 10:15		
Bromofluorobenzene	30.00	104	75 - 120	12.25	12.26	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.94	6.93	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.43	7.42	0.0100	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.63	9.64	-0.0100	+/-1.000	
Blank (2E17014-BLK1) ug/L				Lab File ID: 0517BL1.D		Analyzed: 05/17/12 11:36		
Bromofluorobenzene	30.00	102	75 - 120	12.25	12.26	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.43	7.42	0.0100	+/-1.000	
Toluene-d8	30.00	99.8	85 - 120	9.64	9.64	0.0000	+/-1.000	
GW8206-TB (1205096-03) ug/L				Lab File ID: 0509603.D		Analyzed: 05/17/12 12:03		
Bromofluorobenzene	30.00	104	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.43	7.42	0.0100	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.64	9.64	0.0000	+/-1.000	
GW0585 (1205096-01) ug/L				Lab File ID: 0509601.D		Analyzed: 05/17/12 13:23		
Bromofluorobenzene	30.00	104	75 - 120	12.27	12.26	0.0100	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.44	7.42	0.0200	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.65	9.64	0.0100	+/-1.000	

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E10007	Laboratory ID:	2E10007-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acetone	100.0	90.6	90.6	40 - 140
Benzene	50.00	48.5	97.0	80 - 120
Bromobenzene	50.00	46.9	93.8	75 - 125
Bromochloromethane	50.00	47.5	94.9	65 - 130
Bromodichloromethane	50.00	49.0	98.1	75 - 120
Bromoform	50.00	48.2	96.3	70 - 130
Bromomethane	50.00	36.2	72.5	30 - 145
n-Butylbenzene	50.00	50.5	101	70 - 135
2-Butanone	100.0	105	105	30 - 150
sec-Butylbenzene	50.00	49.0	98.0	70 - 125
tert-Butylbenzene	50.00	49.0	98.1	70 - 130
Carbon disulfide	50.00	44.1	88.2	35 - 160
Carbon tetrachloride	50.00	55.0	110	65 - 140
Chlorobenzene	50.00	46.2	92.4	80 - 120
Chloroethane	50.00	50.7	101	60 - 135
Chloroform	50.00	47.1	94.1	65 - 135
Chloromethane	50.00	37.0	74.1	40 - 125
2-Chlorotoluene	50.00	47.7	95.4	75 - 125
4-Chlorotoluene	50.00	47.6	95.2	75 - 130
Dibromochloromethane	50.00	47.5	94.9	60 - 135
1,2-Dibromo-3-chloropropane	50.00	47.9	95.9	50 - 130
1,2-Dibromoethane (EDB)	50.00	47.4	94.8	80 - 120
Dibromomethane	50.00	46.9	93.8	75 - 125
1,2-Dichlorobenzene	50.00	46.1	92.3	70 - 120
1,3-Dichlorobenzene	50.00	46.6	93.1	75 - 125
1,4-Dichlorobenzene	50.00	47.7	95.3	75 - 125
Dichlorodifluoromethane	50.00	56.6	113	30 - 155
1,1-Dichloroethane	50.00	48.8	97.6	70 - 135
1,2-Dichloroethane	50.00	47.9	95.9	70 - 130
1,1-Dichloroethene	50.00	46.0	92.1	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E10007	Laboratory ID:	2E10007-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
cis-1,2-Dichloroethene	50.00	47.7	95.5	70 - 125
trans-1,2-Dichloroethene	50.00	48.6	97.3	60 - 140
1,2-Dichloropropane	50.00	49.2	98.3	75 - 125
1,3-Dichloropropane	50.00	48.2	96.4	75 - 125
2,2-Dichloropropane	50.00	53.7	107	70 - 135
1,1-Dichloropropene	50.00	50.0	100	75 - 130
cis-1,3-Dichloropropene	50.00	53.5	107	70 - 130
trans-1,3-Dichloropropene	50.00	47.8	95.6	55 - 140
Ethylbenzene	50.00	48.4	96.8	75 - 125
Hexachlorobutadiene	50.00	48.6	97.1	50 - 140
2-Hexanone	100.0	110	110	55 - 130
Isopropylbenzene	50.00	45.5	91.1	75 - 125
p-Isopropyltoluene	50.00	47.2	94.4	75 - 130
Methylene chloride	50.00	45.0	90.0	55 - 140
Naphthalene	50.00	48.2	96.5	55 - 140
4-Methyl-2-pentanone	100.0	112	112	60 - 135
Methyl t-Butyl Ether	50.00	49.9	99.9	65 - 125
n-Propylbenzene	50.00	48.8	97.6	70 - 130
Styrene	50.00	48.2	96.4	65 - 135
1,1,2,2-Tetrachloroethane	50.00	48.3	96.6	65 - 130
1,1,1,2-Tetrachloroethane	50.00	51.6	103	80 - 130
Tetrachloroethene	50.00	47.0	94.0	45 - 150
Toluene	50.00	48.4	96.8	75 - 120
1,2,3-Trichlorobenzene	50.00	46.8	93.5	55 - 140
1,2,4-Trichlorobenzene	50.00	47.0	93.9	65 - 135
1,1,2-Trichloroethane	50.00	48.0	96.1	75 - 125
1,1,1-Trichloroethane	50.00	53.0	106	65 - 130
Trichloroethene	50.00	48.9	97.8	70 - 125
Trichlorofluoromethane	50.00	51.6	103	60 - 145
1,2,3-Trichloropropane	50.00	48.4	96.9	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E10007	Laboratory ID:	2E10007-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	50.9	102	75 - 130
1,2,4-Trimethylbenzene	50.00	50.4	101	75 - 130
Vinyl chloride	50.00	53.6	107	50 - 145
Xylenes (total)	150.0	143	95.3	75 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E11004	Laboratory ID:	2E11004-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acetone	100.0	90.3	90.3	40 - 140
Benzene	50.00	50.9	102	80 - 120
Bromobenzene	50.00	49.4	98.8	75 - 125
Bromochloromethane	50.00	51.2	102	65 - 130
Bromodichloromethane	50.00	52.4	105	75 - 120
Bromoform	50.00	50.1	100	70 - 130
Bromomethane	50.00	39.8	79.7	30 - 145
n-Butylbenzene	50.00	53.3	107	70 - 135
2-Butanone	100.0	99.4	99.4	30 - 150
sec-Butylbenzene	50.00	52.0	104	70 - 125
tert-Butylbenzene	50.00	51.7	103	70 - 130
Carbon disulfide	50.00	45.9	91.8	35 - 160
Carbon tetrachloride	50.00	57.7	115	65 - 140
Chlorobenzene	50.00	47.7	95.4	80 - 120
Chloroethane	50.00	49.8	99.6	60 - 135
Chloroform	50.00	50.6	101	65 - 135
Chloromethane	50.00	40.0	80.0	40 - 125
2-Chlorotoluene	50.00	50.5	101	75 - 125
4-Chlorotoluene	50.00	49.7	99.5	75 - 130
Dibromochloromethane	50.00	49.6	99.2	60 - 135
1,2-Dibromo-3-chloropropane	50.00	52.0	104	50 - 130
1,2-Dibromoethane (EDB)	50.00	50.3	101	80 - 120
Dibromomethane	50.00	50.6	101	75 - 125
1,2-Dichlorobenzene	50.00	49.2	98.4	70 - 120
1,3-Dichlorobenzene	50.00	49.0	98.0	75 - 125
1,4-Dichlorobenzene	50.00	49.9	99.7	75 - 125
Dichlorodifluoromethane	50.00	59.8	120	30 - 155
1,1-Dichloroethane	50.00	51.6	103	70 - 135
1,2-Dichloroethane	50.00	52.1	104	70 - 130
1,1-Dichloroethene	50.00	48.4	96.8	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E11004	Laboratory ID:	2E11004-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
cis-1,2-Dichloroethene	50.00	50.6	101	70 - 125
trans-1,2-Dichloroethene	50.00	51.4	103	60 - 140
1,2-Dichloropropane	50.00	51.9	104	75 - 125
1,3-Dichloropropane	50.00	50.1	100	75 - 125
2,2-Dichloropropane	50.00	57.8	116	70 - 135
1,1-Dichloropropene	50.00	51.6	103	75 - 130
cis-1,3-Dichloropropene	50.00	55.6	111	70 - 130
trans-1,3-Dichloropropene	50.00	49.9	99.9	55 - 140
Ethylbenzene	50.00	50.4	101	75 - 125
Hexachlorobutadiene	50.00	52.9	106	50 - 140
2-Hexanone	100.0	106	106	55 - 130
Isopropylbenzene	50.00	47.0	94.0	75 - 125
p-Isopropyltoluene	50.00	49.3	98.5	75 - 130
Methylene chloride	50.00	46.5	93.0	55 - 140
Naphthalene	50.00	50.2	100	55 - 140
4-Methyl-2-pentanone	100.0	107	107	60 - 135
Methyl t-Butyl Ether	50.00	53.1	106	65 - 125
n-Propylbenzene	50.00	51.7	103	70 - 130
Styrene	50.00	49.6	99.2	65 - 135
1,1,2,2-Tetrachloroethane	50.00	50.8	102	65 - 130
1,1,1,2-Tetrachloroethane	50.00	54.1	108	80 - 130
Tetrachloroethene	50.00	48.3	96.6	45 - 150
Toluene	50.00	49.7	99.3	75 - 120
1,2,3-Trichlorobenzene	50.00	49.8	99.6	55 - 140
1,2,4-Trichlorobenzene	50.00	50.3	101	65 - 135
1,1,2-Trichloroethane	50.00	50.5	101	75 - 125
1,1,1-Trichloroethane	50.00	55.6	111	65 - 130
Trichloroethene	50.00	51.7	103	70 - 125
Trichlorofluoromethane	50.00	54.8	110	60 - 145
1,2,3-Trichloropropane	50.00	51.2	102	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E11004	Laboratory ID:	2E11004-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	53.5	107	75 - 130
1,2,4-Trimethylbenzene	50.00	52.7	105	75 - 130
Vinyl chloride	50.00	55.8	112	50 - 145
Xylenes (total)	150.0	148	98.5	75 - 130

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	84.0	84.0	7.23	30	40 - 140
Benzene	50.00	49.9	99.7	2.04	30	80 - 120
Bromobenzene	50.00	48.1	96.2	2.63	30	75 - 125
Bromochloromethane	50.00	49.4	98.8	3.60	30	65 - 130
Bromodichloromethane	50.00	50.4	101	3.93	30	75 - 120
Bromoform	50.00	43.9	87.7	13.3	30	70 - 130
Bromomethane	50.00	28.8	57.6	32.1 *	30	30 - 145
n-Butylbenzene	50.00	48.1	96.2	10.2	30	70 - 135
2-Butanone	100.0	92.3	92.3	7.37	30	30 - 150
sec-Butylbenzene	50.00	47.9	95.8	8.13	30	70 - 125
tert-Butylbenzene	50.00	49.2	98.5	4.88	30	70 - 130
Carbon disulfide	50.00	43.0	86.1	6.36	30	35 - 160
Carbon tetrachloride	50.00	53.4	107	7.63	30	65 - 140
Chlorobenzene	50.00	45.9	91.8	3.78	30	80 - 120
Chloroethane	50.00	51.6	103	3.49	30	60 - 135
Chloroform	50.00	50.1	100	1.03	30	65 - 135
Chloromethane	50.00	39.0	78.0	2.51	30	40 - 125
2-Chlorotoluene	50.00	49.1	98.1	2.89	30	75 - 125
4-Chlorotoluene	50.00	48.8	97.6	1.91	30	75 - 130
Dibromochloromethane	50.00	44.8	89.5	10.3	30	60 - 135
1,2-Dibromo-3-chloropropane	50.00	45.9	91.8	12.5	30	50 - 130
1,2-Dibromoethane (EDB)	50.00	48.0	96.0	4.78	30	80 - 120
Dibromomethane	50.00	49.9	99.7	1.55	30	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E11004	Laboratory ID:	2E11004-BSD1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dichlorobenzene	50.00	47.4	94.9	3.68	30	70 - 120
1,3-Dichlorobenzene	50.00	47.1	94.2	3.95	30	75 - 125
1,4-Dichlorobenzene	50.00	47.5	95.1	4.78	30	75 - 125
Dichlorodifluoromethane	50.00	57.5	115	3.87	30	30 - 155
1,1-Dichloroethane	50.00	50.1	100	2.81	30	70 - 135
1,2-Dichloroethane	50.00	52.1	104	0.0576	30	70 - 130
1,1-Dichloroethene	50.00	45.9	91.8	5.24	30	70 - 130
cis-1,2-Dichloroethene	50.00	48.6	97.2	3.95	30	70 - 125
trans-1,2-Dichloroethene	50.00	49.3	98.5	4.21	30	60 - 140
1,2-Dichloropropane	50.00	51.2	102	1.49	30	75 - 125
1,3-Dichloropropane	50.00	48.3	96.5	3.68	30	75 - 125
2,2-Dichloropropane	50.00	49.1	98.1	16.3	30	70 - 135
1,1-Dichloropropene	50.00	50.6	101	1.88	30	75 - 130
cis-1,3-Dichloropropene	50.00	53.2	106	4.43	30	70 - 130
trans-1,3-Dichloropropene	50.00	45.7	91.4	8.89	30	55 - 140
Ethylbenzene	50.00	47.9	95.8	5.09	30	75 - 125
Hexachlorobutadiene	50.00	40.0	79.9	27.9	30	50 - 140
2-Hexanone	100.0	97.8	97.8	7.71	30	55 - 130
Isopropylbenzene	50.00	45.0	90.0	4.28	30	75 - 125
p-Isopropyltoluene	50.00	45.8	91.5	7.39	30	75 - 130
Methylene chloride	50.00	45.6	91.1	2.11	30	55 - 140
Naphthalene	50.00	42.7	85.4	16.1	30	55 - 140
4-Methyl-2-pentanone	100.0	105	105	1.57	30	60 - 135
Methyl t-Butyl Ether	50.00	49.5	99.1	6.99	30	65 - 125
n-Propylbenzene	50.00	48.8	97.6	5.75	30	70 - 130
Styrene	50.00	48.1	96.1	3.17	30	65 - 135
1,1,2,2-Tetrachloroethane	50.00	48.3	96.6	4.99	30	65 - 130
1,1,1,2-Tetrachloroethane	50.00	50.0	100	7.86	30	80 - 130
Tetrachloroethene	50.00	45.0	89.9	7.18	30	45 - 150
Toluene	50.00	48.0	96.1	3.30	30	75 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E11004	Laboratory ID:	2E11004-BSD1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2,3-Trichlorobenzene	50.00	41.8	83.6	17.5	30	55 - 140
1,2,4-Trichlorobenzene	50.00	43.0	86.0	15.6	30	65 - 135
1,1,2-Trichloroethane	50.00	48.5	97.0	4.08	30	75 - 125
1,1,1-Trichloroethane	50.00	53.6	107	3.70	30	65 - 130
Trichloroethene	50.00	50.8	102	1.70	30	70 - 125
Trichlorofluoromethane	50.00	51.6	103	6.07	30	60 - 145
1,2,3-Trichloropropane	50.00	48.5	97.0	5.42	30	75 - 125
1,3,5-Trimethylbenzene	50.00	50.9	102	4.86	30	75 - 130
1,2,4-Trimethylbenzene	50.00	50.5	101	4.29	30	75 - 130
Vinyl chloride	50.00	54.1	108	3.08	30	50 - 145
Xylenes (total)	150.0	144	96.2	2.32	30	75 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E14013	Laboratory ID:	2E14013-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acetone	100.0	83.2	83.2	40 - 140
Benzene	50.00	49.5	99.1	80 - 120
Bromobenzene	50.00	48.8	97.7	75 - 125
Bromochloromethane	50.00	50.8	102	65 - 130
Bromodichloromethane	50.00	52.2	104	75 - 120
Bromoform	50.00	52.2	104	70 - 130
Bromomethane	50.00	35.1	70.2	30 - 145
n-Butylbenzene	50.00	50.4	101	70 - 135
2-Butanone	100.0	89.7	89.7	30 - 150
sec-Butylbenzene	50.00	49.7	99.4	70 - 125
tert-Butylbenzene	50.00	49.9	99.8	70 - 130
Carbon disulfide	50.00	45.0	90.0	35 - 160
Carbon tetrachloride	50.00	60.3	121	65 - 140
Chlorobenzene	50.00	47.2	94.5	80 - 120
Chloroethane	50.00	47.8	95.7	60 - 135
Chloroform	50.00	49.4	98.8	65 - 135
Chloromethane	50.00	37.3	74.6	40 - 125
2-Chlorotoluene	50.00	48.6	97.1	75 - 125
4-Chlorotoluene	50.00	48.3	96.6	75 - 130
Dibromochloromethane	50.00	50.3	101	60 - 135
1,2-Dibromo-3-chloropropane	50.00	51.4	103	50 - 130
1,2-Dibromoethane (EDB)	50.00	49.7	99.5	80 - 120
Dibromomethane	50.00	49.8	99.7	75 - 125
1,2-Dichlorobenzene	50.00	48.6	97.2	70 - 120
1,3-Dichlorobenzene	50.00	48.2	96.5	75 - 125
1,4-Dichlorobenzene	50.00	49.1	98.3	75 - 125
Dichlorodifluoromethane	50.00	59.3	119	30 - 155
1,1-Dichloroethane	50.00	50.6	101	70 - 135
1,2-Dichloroethane	50.00	52.0	104	70 - 130
1,1-Dichloroethene	50.00	44.3	88.6	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E14013	Laboratory ID:	2E14013-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
cis-1,2-Dichloroethene	50.00	49.5	99.1	70 - 125
trans-1,2-Dichloroethene	50.00	50.5	101	60 - 140
1,2-Dichloropropane	50.00	50.7	101	75 - 125
1,3-Dichloropropane	50.00	49.0	98.0	75 - 125
2,2-Dichloropropane	50.00	57.8	116	70 - 135
1,1-Dichloropropene	50.00	50.9	102	75 - 130
cis-1,3-Dichloropropene	50.00	55.5	111	70 - 130
trans-1,3-Dichloropropene	50.00	49.5	99.0	55 - 140
Ethylbenzene	50.00	49.6	99.2	75 - 125
Hexachlorobutadiene	50.00	51.2	102	50 - 140
2-Hexanone	100.0	99.9	99.9	55 - 130
Isopropylbenzene	50.00	46.7	93.5	75 - 125
p-Isopropyltoluene	50.00	48.4	96.7	75 - 130
Methylene chloride	50.00	46.2	92.3	55 - 140
Naphthalene	50.00	48.7	97.3	55 - 140
4-Methyl-2-pentanone	100.0	102	102	60 - 135
Methyl t-Butyl Ether	50.00	53.3	107	65 - 125
n-Propylbenzene	50.00	49.0	98.1	70 - 130
Styrene	50.00	49.0	98.0	65 - 135
1,1,2,2-Tetrachloroethane	50.00	47.9	95.8	65 - 130
1,1,1,2-Tetrachloroethane	50.00	55.2	110	80 - 130
Tetrachloroethene	50.00	48.3	96.6	45 - 150
Toluene	50.00	48.6	97.2	75 - 120
1,2,3-Trichlorobenzene	50.00	48.1	96.2	55 - 140
1,2,4-Trichlorobenzene	50.00	48.5	97.1	65 - 135
1,1,2-Trichloroethane	50.00	49.3	98.6	75 - 125
1,1,1-Trichloroethane	50.00	56.4	113	65 - 130
Trichloroethene	50.00	51.8	104	70 - 125
Trichlorofluoromethane	50.00	56.0	112	60 - 145
1,2,3-Trichloropropane	50.00	51.4	103	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E14013	Laboratory ID:	2E14013-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	51.9	104	75 - 130
1,2,4-Trimethylbenzene	50.00	50.5	101	75 - 130
Vinyl chloride	50.00	55.0	110	50 - 145
Xylenes (total)	150.0	147	97.7	75 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E15012	Laboratory ID:	2E15012-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acetone	100.0	81.0	81.0	40 - 140
Benzene	50.00	50.6	101	80 - 120
Bromobenzene	50.00	49.8	99.7	75 - 125
Bromochloromethane	50.00	51.5	103	65 - 130
Bromodichloromethane	50.00	52.6	105	75 - 120
Bromoform	50.00	50.7	101	70 - 130
Bromomethane	50.00	32.3	64.5	30 - 145
n-Butylbenzene	50.00	50.8	102	70 - 135
2-Butanone	100.0	91.8	91.8	30 - 150
sec-Butylbenzene	50.00	50.6	101	70 - 125
tert-Butylbenzene	50.00	51.3	103	70 - 130
Carbon disulfide	50.00	44.4	88.8	35 - 160
Carbon tetrachloride	50.00	58.6	117	65 - 140
Chlorobenzene	50.00	47.6	95.3	80 - 120
Chloroethane	50.00	48.6	97.2	60 - 135
Chloroform	50.00	50.3	101	65 - 135
Chloromethane	50.00	34.2	68.5	40 - 125
2-Chlorotoluene	50.00	49.7	99.4	75 - 125
4-Chlorotoluene	50.00	49.4	98.9	75 - 130
Dibromochloromethane	50.00	49.8	99.5	60 - 135
1,2-Dibromo-3-chloropropane	50.00	50.8	102	50 - 130
1,2-Dibromoethane (EDB)	50.00	50.0	99.9	80 - 120
Dibromomethane	50.00	51.2	102	75 - 125
1,2-Dichlorobenzene	50.00	49.6	99.1	70 - 120
1,3-Dichlorobenzene	50.00	49.0	98.1	75 - 125
1,4-Dichlorobenzene	50.00	49.5	99.1	75 - 125
Dichlorodifluoromethane	50.00	58.3	117	30 - 155
1,1-Dichloroethane	50.00	50.8	102	70 - 135
1,2-Dichloroethane	50.00	53.0	106	70 - 130
1,1-Dichloroethene	50.00	47.7	95.4	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E15012	Laboratory ID:	2E15012-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
cis-1,2-Dichloroethene	50.00	49.9	99.8	70 - 125
trans-1,2-Dichloroethene	50.00	50.5	101	60 - 140
1,2-Dichloropropane	50.00	50.6	101	75 - 125
1,3-Dichloropropane	50.00	49.7	99.3	75 - 125
2,2-Dichloropropane	50.00	56.9	114	70 - 135
1,1-Dichloropropene	50.00	51.5	103	75 - 130
cis-1,3-Dichloropropene	50.00	56.1	112	70 - 130
trans-1,3-Dichloropropene	50.00	49.1	98.3	55 - 140
Ethylbenzene	50.00	49.4	98.9	75 - 125
Hexachlorobutadiene	50.00	50.2	100	50 - 140
2-Hexanone	100.0	98.8	98.8	55 - 130
Isopropylbenzene	50.00	46.4	92.8	75 - 125
p-Isopropyltoluene	50.00	48.5	97.0	75 - 130
Methylene chloride	50.00	46.5	93.1	55 - 140
Naphthalene	50.00	50.1	100	55 - 140
4-Methyl-2-pentanone	100.0	103	103	60 - 135
Methyl t-Butyl Ether	50.00	52.6	105	65 - 125
n-Propylbenzene	50.00	49.6	99.3	70 - 130
Styrene	50.00	49.9	99.8	65 - 135
1,1,2,2-Tetrachloroethane	50.00	49.0	97.9	65 - 130
1,1,1,2-Tetrachloroethane	50.00	54.8	110	80 - 130
Tetrachloroethene	50.00	48.0	96.1	45 - 150
Toluene	50.00	48.5	97.0	75 - 120
1,2,3-Trichlorobenzene	50.00	49.5	99.1	55 - 140
1,2,4-Trichlorobenzene	50.00	49.8	99.6	65 - 135
1,1,2-Trichloroethane	50.00	50.0	100	75 - 125
1,1,1-Trichloroethane	50.00	55.4	111	65 - 130
Trichloroethene	50.00	52.0	104	70 - 125
Trichlorofluoromethane	50.00	55.0	110	60 - 145
1,2,3-Trichloropropane	50.00	50.9	102	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E15012	Laboratory ID:	2E15012-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	52.7	105	75 - 130
1,2,4-Trimethylbenzene	50.00	51.8	104	75 - 130
Vinyl chloride	50.00	54.8	110	50 - 145
Xylenes (total)	150.0	148	98.8	75 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E17014	Laboratory ID:	2E17014-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acetone	100.0	78.7	78.7	40 - 140
Benzene	50.00	49.4	98.7	80 - 120
Bromobenzene	50.00	49.7	99.4	75 - 125
Bromochloromethane	50.00	50.5	101	65 - 130
Bromodichloromethane	50.00	51.9	104	75 - 120
Bromoform	50.00	50.4	101	70 - 130
Bromomethane	50.00	35.0	70.0	30 - 145
n-Butylbenzene	50.00	49.7	99.4	70 - 135
2-Butanone	100.0	86.9	86.9	30 - 150
sec-Butylbenzene	50.00	49.8	99.7	70 - 125
tert-Butylbenzene	50.00	50.8	102	70 - 130
Carbon disulfide	50.00	39.9	79.8	35 - 160
Carbon tetrachloride	50.00	58.9	118	65 - 140
Chlorobenzene	50.00	47.9	95.7	80 - 120
Chloroethane	50.00	46.4	92.8	60 - 135
Chloroform	50.00	49.4	98.8	65 - 135
Chloromethane	50.00	34.6	69.2	40 - 125
2-Chlorotoluene	50.00	49.6	99.1	75 - 125
4-Chlorotoluene	50.00	49.0	97.9	75 - 130
Dibromochloromethane	50.00	50.0	100	60 - 135
1,2-Dibromo-3-chloropropane	50.00	49.1	98.2	50 - 130
1,2-Dibromoethane (EDB)	50.00	49.5	99.1	80 - 120
Dibromomethane	50.00	49.4	98.9	75 - 125
1,2-Dichlorobenzene	50.00	48.7	97.5	70 - 120
1,3-Dichlorobenzene	50.00	48.9	97.8	75 - 125
1,4-Dichlorobenzene	50.00	49.7	99.3	75 - 125
Dichlorodifluoromethane	50.00	55.7	111	30 - 155
1,1-Dichloroethane	50.00	50.3	101	70 - 135
1,2-Dichloroethane	50.00	51.2	102	70 - 130
1,1-Dichloroethene	50.00	43.1	86.2	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E17014	Laboratory ID:	2E17014-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
cis-1,2-Dichloroethene	50.00	49.0	98.0	70 - 125
trans-1,2-Dichloroethene	50.00	49.6	99.2	60 - 140
1,2-Dichloropropane	50.00	50.6	101	75 - 125
1,3-Dichloropropane	50.00	49.2	98.4	75 - 125
2,2-Dichloropropane	50.00	56.6	113	70 - 135
1,1-Dichloropropene	50.00	50.5	101	75 - 130
cis-1,3-Dichloropropene	50.00	55.0	110	70 - 130
trans-1,3-Dichloropropene	50.00	49.4	98.8	55 - 140
Ethylbenzene	50.00	49.7	99.3	75 - 125
Hexachlorobutadiene	50.00	50.1	100	50 - 140
2-Hexanone	100.0	97.0	97.0	55 - 130
Isopropylbenzene	50.00	46.6	93.1	75 - 125
p-Isopropyltoluene	50.00	48.6	97.2	75 - 130
Methylene chloride	50.00	41.2	82.5	55 - 140
Naphthalene	50.00	45.0	90.0	55 - 140
4-Methyl-2-pentanone	100.0	98.9	98.9	60 - 135
Methyl t-Butyl Ether	50.00	51.1	102	65 - 125
n-Propylbenzene	50.00	49.7	99.4	70 - 130
Styrene	50.00	49.1	98.2	65 - 135
1,1,2,2-Tetrachloroethane	50.00	47.4	94.8	65 - 130
1,1,1,2-Tetrachloroethane	50.00	55.0	110	80 - 130
Tetrachloroethene	50.00	49.0	98.1	45 - 150
Toluene	50.00	49.1	98.1	75 - 120
1,2,3-Trichlorobenzene	50.00	45.5	91.0	55 - 140
1,2,4-Trichlorobenzene	50.00	46.1	92.3	65 - 135
1,1,2-Trichloroethane	50.00	49.1	98.3	75 - 125
1,1,1-Trichloroethane	50.00	55.7	111	65 - 130
Trichloroethene	50.00	51.5	103	70 - 125
Trichlorofluoromethane	50.00	53.2	106	60 - 145
1,2,3-Trichloropropane	50.00	49.5	99.0	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E17014	Laboratory ID:	2E17014-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	52.1	104	75 - 130
1,2,4-Trimethylbenzene	50.00	51.6	103	75 - 130
Vinyl chloride	50.00	52.7	105	50 - 145
Xylenes (total)	150.0	146	97.6	75 - 130

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 2E10007 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0517	1205054-01	05/10/12 00:00	5.00	5.00
GW0518	1205054-03	05/10/12 00:00	5.00	5.00
GW0563	1205054-05	05/10/12 00:00	5.00	5.00
GW0564	1205054-07	05/10/12 00:00	5.00	5.00
GW0565	1205054-09	05/10/12 00:00	5.00	5.00
GW0587	1205054-11	05/10/12 00:00	5.00	5.00
GW0588	1205054-13	05/10/12 00:00	5.00	5.00
GW0589	1205054-15	05/10/12 00:00	5.00	5.00
GW8050-RB	1205054-23	05/10/12 00:00	5.00	5.00
GW8054-AB	1205054-25	05/10/12 00:00	5.00	5.00
GW8055-AB	1205054-26	05/10/12 00:00	5.00	5.00
GW8203-TB	1205054-27	05/10/12 00:00	5.00	5.00
Blank	2E10007-BLK1	05/10/12 00:00	5.00	5.00
LCS	2E10007-BS1	05/10/12 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 2E11004 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0610	1205054-17	05/11/12 00:00	5.00	5.00
GW0611	1205054-19	05/11/12 00:00	5.00	5.00
GW0612	1205054-21	05/11/12 00:00	5.00	5.00
GW0511	1205070-01	05/11/12 00:00	5.00	5.00
GW0512	1205070-03	05/11/12 00:00	5.00	5.00
GW0570	1205070-05	05/11/12 00:00	5.00	5.00
GW0586	1205070-07	05/11/12 00:00	5.00	5.00
GW0599	1205070-09	05/11/12 00:00	5.00	5.00
GW0600	1205070-11	05/11/12 00:00	5.00	5.00
GW0609	1205070-13	05/11/12 00:00	5.00	5.00
GW8204-TB	1205070-15	05/11/12 00:00	5.00	5.00
Blank	2E11004-BLK1	05/11/12 00:00	5.00	5.00
LCS	2E11004-BS1	05/11/12 00:00	5.00	5.00
LCS Dup	2E11004-BSD1	05/11/12 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 2E14013 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0508	1205080-01	05/14/12 00:00	5.00	5.00
GW0509	1205080-03	05/14/12 00:00	5.00	5.00
GW0513	1205080-05	05/14/12 00:00	5.00	5.00
GW0583	1205080-07	05/14/12 00:00	5.00	5.00
GW0584	1205080-09	05/14/12 00:00	5.00	5.00
GW8051-RB	1205080-11	05/14/12 00:00	5.00	5.00
GW8205-TB	1205080-13	05/14/12 00:00	5.00	5.00
Blank	2E14013-BLK1	05/14/12 00:00	5.00	5.00
LCS	2E14013-BS1	05/14/12 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 2E15012 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0583	1205080-07RE1	05/15/12 00:00	5.00	5.00
Blank	2E15012-BLK1	05/15/12 00:00	5.00	5.00
LCS	2E15012-BS1	05/15/12 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 2E17014 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0585	1205096-01	05/17/12 00:00	5.00	5.00
GW8206-TB	1205096-03	05/17/12 00:00	5.00	5.00
Blank	2E17014-BLK1	05/17/12 00:00	5.00	5.00
LCS	2E17014-BS1	05/17/12 00:00	5.00	5.00

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0427TUN1.D	Injection Date:	04/27/12
Instrument ID:	MS-VOA6	Injection Time:	08:36
Sequence:	2D12109	Lab Sample ID:	2D12109-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	22.1	PASS
75	30 - 60% of 95	46.9	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.51	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	77.6	PASS
175	5 - 9% of 174	7.25	PASS
176	95 - 101% of 174	97.2	PASS
177	5 - 9% of 176	6.42	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0510TUN1.D	Injection Date:	05/10/12
Instrument ID:	MS-VOA6	Injection Time:	07:07
Sequence:	2E13201	Lab Sample ID:	2E13201-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	24.4	PASS
75	30 - 60% of 95	49.8	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.66	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	69.6	PASS
175	5 - 9% of 174	7.25	PASS
176	95 - 101% of 174	97.4	PASS
177	5 - 9% of 176	6.67	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0511TUN1.D	Injection Date:	05/11/12
Instrument ID:	MS-VOA6	Injection Time:	06:28
Sequence:	2E13504	Lab Sample ID:	2E13504-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	23.3	PASS
75	30 - 60% of 95	49	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.71	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	76.4	PASS
175	5 - 9% of 174	7.06	PASS
176	95 - 101% of 174	97.4	PASS
177	5 - 9% of 176	6.28	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0514TUN1.D	Injection Date:	05/14/12
Instrument ID:	MS-VOA6	Injection Time:	09:08
Sequence:	2E13604	Lab Sample ID:	2E13604-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	24.1	PASS
75	30 - 60% of 95	50.4	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.87	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	71.1	PASS
175	5 - 9% of 174	7.37	PASS
176	95 - 101% of 174	95.4	PASS
177	5 - 9% of 176	6.63	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0515TUN1.D	Injection Date:	05/15/12
Instrument ID:	MS-VOA6	Injection Time:	09:04
Sequence:	2E13704	Lab Sample ID:	2E13704-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	23	PASS
75	30 - 60% of 95	48.4	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.61	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	77.2	PASS
175	5 - 9% of 174	7.29	PASS
176	95 - 101% of 174	97.2	PASS
177	5 - 9% of 176	6.38	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0517TUN1.D	Injection Date:	05/17/12
Instrument ID:	MS-VOA6	Injection Time:	09:14
Sequence:	2E13906	Lab Sample ID:	2E13906-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	23.9	PASS
75	30 - 60% of 95	49.4	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.8	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	72.5	PASS
175	5 - 9% of 174	7.15	PASS
176	95 - 101% of 174	97.5	PASS
177	5 - 9% of 176	6.47	PASS

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D12109	Instrument:	MS-VOA6
Calibration:	2121003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2D12109-TUN1	0427TUN1.D	04/27/12 08:36
Cal Standard	2D12109-CAL1	0427CAL1.D	04/27/12 09:57
Cal Standard	2D12109-CAL2	0427CAL2.D	04/27/12 10:24
Cal Standard	2D12109-CAL3	0427CAL3.D	04/27/12 10:51
Cal Standard	2D12109-CAL4	0427CAL4.D	04/27/12 11:17
Cal Standard	2D12109-CAL5	0427CAL5.D	04/27/12 11:44
Cal Standard	2D12109-CAL6	0427CAL6.D	04/27/12 12:11
Cal Standard	2D12109-CAL7	0427CAL7.D	04/27/12 12:38
Cal Standard	2D12109-CAL8	0427CAL8.D	04/27/12 13:05
Cal Standard	2D12109-CAL9	0427CAL9.D	04/27/12 13:31
Initial Cal Check	2D12109-ICV2	0427ICV2.D	04/27/12 14:52

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13201	Instrument:	MS-VOA6
Calibration:	2121003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2E13201-TUN1	0510TUN1.D	05/10/12 07:07
Calibration Check	2E13201-CCV1	0510CCV1.D	05/10/12 07:34
LCS	2E10007-BS1	0510LCS1.D	05/10/12 08:08
Blank	2E10007-BLK1	0510BL1.D	05/10/12 09:29
GW8203-TB	1205054-27	0505427.D	05/10/12 09:56
GW8050-RB	1205054-23	0505423.D	05/10/12 10:22
GW8054-AB	1205054-25	0505425.D	05/10/12 10:49
GW8055-AB	1205054-26	0505426.D	05/10/12 11:16
GW0518	1205054-03	0505403.D	05/10/12 13:57
GW0564	1205054-07	0505407.D	05/10/12 14:24
GW0565	1205054-09	0505409.D	05/10/12 14:51
GW0588	1205054-13	0505413.D	05/10/12 15:18
GW0589	1205054-15	0505415.D	05/10/12 15:45
GW0517	1205054-01	0505401D.D	05/10/12 16:12
GW0563	1205054-05	0505405D.D	05/10/12 16:39
GW0587	1205054-11	0505411D.D	05/10/12 17:06

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13504	Instrument:	MS-VOA6
Calibration:	2121003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2E13504-TUN1	0511TUN1.D	05/11/12 06:28
Calibration Check	2E13504-CCV1	0511CCV1.D	05/11/12 06:58
LCS	2E11004-BS1	0511LCS1.D	05/11/12 07:32
Blank	2E11004-BLK1	0511BL1.D	05/11/12 08:52
GW8204-TB	1205070-15	0507015.D	05/11/12 09:46
GW0610	1205054-17	0505417.D	05/11/12 10:40
GW0611	1205054-19	0505419.D	05/11/12 11:06
GW0612	1205054-21	0505421.D	05/11/12 11:33
GW0609	1205070-13	0507013.D	05/11/12 12:54
GW0599	1205070-09	0507009D.D	05/11/12 13:21
GW0600	1205070-11	0507011D.D	05/11/12 13:47
GW0511	1205070-01	0507001D.D	05/11/12 14:14
GW0512	1205070-03	0507003D.D	05/11/12 14:41
GW0570	1205070-05	0507005D.D	05/11/12 15:08
GW0586	1205070-07	0507007D.D	05/11/12 15:35
LCS Dup	2E11004-BSD1	0511LCD1.D	05/11/12 16:02

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13604	Instrument:	MS-VOA6
Calibration:	2121003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2E13604-TUN1	0514TUN1.D	05/14/12 09:08
Calibration Check	2E13604-CCV1	0514CCV1.D	05/14/12 09:35
LCS	2E14013-BS1	0514LCS1.D	05/14/12 10:09
Blank	2E14013-BLK1	0514BL1.D	05/14/12 11:30
GW8051-RB	1205080-11	0508011.D	05/14/12 11:57
GW8205-TB	1205080-13	0508013.D	05/14/12 12:23
GW0584	1205080-09	0508009.D	05/14/12 14:11
GW0508	1205080-01	0508001D.D	05/14/12 17:19
GW0509	1205080-03	0508003D.D	05/14/12 17:45
GW0513	1205080-05	0508005D.D	05/14/12 18:12
GW0583	1205080-07	0508007D.D	05/14/12 18:39

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13704	Instrument:	MS-VOA6
Calibration:	2121003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2E13704-TUN1	0515TUN1.D	05/15/12 09:04
Calibration Check	2E13704-CCV1	0515CCV1.D	05/15/12 09:31
LCS	2E15012-BS1	0515LCS1.D	05/15/12 10:05
Blank	2E15012-BLK1	0515BL1.D	05/15/12 11:26
GW0583	1205080-07RE1	0508007R.D	05/15/12 18:35

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13906	Instrument:	MS-VOA6
Calibration:	2121003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2E13906-TUN1	0517TUN1.D	05/17/12 09:14
Calibration Check	2E13906-CCV1	0517CCV1.D	05/17/12 09:41
LCS	2E17014-BS1	0517LCS1.D	05/17/12 10:15
Blank	2E17014-BLK1	0517BL1.D	05/17/12 11:36
GW8206-TB	1205096-03	0509603.D	05/17/12 12:03
GW0585	1205096-01	0509601.D	05/17/12 13:23

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13201	Instrument:	MS-VOA6
		Calibration:	2121003

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2E13201-CCV1)			Lab File ID: 0510CCV1.D			Analyzed: 05/10/12 07:34			
Fluorobenzene	1203677	7.96	1322112	7.95	91	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	485285	11.07	523124	11.06	93	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	382626	13.46	431103	13.45	89	50 - 200	0.0100	+/-0.50	
LCS (2E10007-BS1)			Lab File ID: 0510LCS1.D			Analyzed: 05/10/12 08:08			
Fluorobenzene	1217647	7.95	1203677	7.96	101	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	491243	11.07	485285	11.07	101	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	393624	13.46	382626	13.46	103	50 - 200	0.0000	+/-0.50	
Blank (2E10007-BLK1)			Lab File ID: 0510BL1.D			Analyzed: 05/10/12 09:29			
Fluorobenzene	1201252	7.95	1203677	7.96	100	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	490079	11.07	485285	11.07	101	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	390575	13.46	382626	13.46	102	50 - 200	0.0000	+/-0.50	
GW8203-TB (1205054-27)			Lab File ID: 0505427.D			Analyzed: 05/10/12 09:56			
Fluorobenzene	1178548	7.95	1203677	7.96	98	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	477433	11.06	485285	11.07	98	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	379575	13.46	382626	13.46	99	50 - 200	0.0000	+/-0.50	
GW8050-RB (1205054-23)			Lab File ID: 0505423.D			Analyzed: 05/10/12 10:22			
Fluorobenzene	1179855	7.95	1203677	7.96	98	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	478836	11.06	485285	11.07	99	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	380417	13.46	382626	13.46	99	50 - 200	0.0000	+/-0.50	
GW8054-AB (1205054-25)			Lab File ID: 0505425.D			Analyzed: 05/10/12 10:49			
Fluorobenzene	1162207	7.95	1203677	7.96	97	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	471532	11.07	485285	11.07	97	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	374545	13.46	382626	13.46	98	50 - 200	0.0000	+/-0.50	
GW8055-AB (1205054-26)			Lab File ID: 0505426.D			Analyzed: 05/10/12 11:16			
Fluorobenzene	1154866	7.95	1203677	7.96	96	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	472077	11.06	485285	11.07	97	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	368147	13.46	382626	13.46	96	50 - 200	0.0000	+/-0.50	
GW0518 (1205054-03)			Lab File ID: 0505403.D			Analyzed: 05/10/12 13:57			
Fluorobenzene	1100816	7.95	1203677	7.96	91	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	454454	11.07	485285	11.07	94	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	359591	13.46	382626	13.46	94	50 - 200	0.0000	+/-0.50	
GW0564 (1205054-07)			Lab File ID: 0505407.D			Analyzed: 05/10/12 14:24			
Fluorobenzene	1102365	7.95	1203677	7.96	92	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	451673	11.06	485285	11.07	93	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	358050	13.46	382626	13.46	94	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13201	Instrument:	MS-VOA6
		Calibration:	2121003

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0565 (1205054-09)			Lab File ID: 0505409.D			Analyzed: 05/10/12 14:51			
Fluorobenzene	1105027	7.95	1203677	7.96	92	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	449567	11.06	485285	11.07	93	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	356704	13.46	382626	13.46	93	50 - 200	0.0000	+/-0.50	
GW0588 (1205054-13)			Lab File ID: 0505413.D			Analyzed: 05/10/12 15:18			
Fluorobenzene	1095404	7.95	1203677	7.96	91	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	451461	11.06	485285	11.07	93	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	352209	13.46	382626	13.46	92	50 - 200	0.0000	+/-0.50	
GW0589 (1205054-15)			Lab File ID: 0505415.D			Analyzed: 05/10/12 15:45			
Fluorobenzene	1104065	7.95	1203677	7.96	92	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	454038	11.07	485285	11.07	94	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	355227	13.46	382626	13.46	93	50 - 200	0.0000	+/-0.50	
GW0517 (1205054-01)			Lab File ID: 0505401D.D			Analyzed: 05/10/12 16:12			
Fluorobenzene	1101427	7.95	1203677	7.96	92	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	450987	11.06	485285	11.07	93	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	356644	13.46	382626	13.46	93	50 - 200	0.0000	+/-0.50	
GW0563 (1205054-05)			Lab File ID: 0505405D.D			Analyzed: 05/10/12 16:39			
Fluorobenzene	1098187	7.95	1203677	7.96	91	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	450619	11.06	485285	11.07	93	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	356092	13.46	382626	13.46	93	50 - 200	0.0000	+/-0.50	
GW0587 (1205054-11)			Lab File ID: 0505411D.D			Analyzed: 05/10/12 17:06			
Fluorobenzene	1102514	7.95	1203677	7.96	92	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	454290	11.06	485285	11.07	94	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	359196	13.46	382626	13.46	94	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13504	Instrument:	MS-VOA6
		Calibration:	2121003

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2E13504-CCV1)			Lab File ID: 0511CCV1.D			Analyzed: 05/11/12 06:58			
Fluorobenzene	1155352	7.95	1322112	7.95	87	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	465286	11.06	523124	11.06	89	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	370906	13.45	431103	13.45	86	50 - 200	0.0000	+/-0.50	
LCS (2E11004-BS1)			Lab File ID: 0511LCS1.D			Analyzed: 05/11/12 07:32			
Fluorobenzene	1160197	7.94	1155352	7.95	100	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	475551	11.05	465286	11.06	102	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	374203	13.46	370906	13.45	101	50 - 200	0.0100	+/-0.50	
Blank (2E11004-BLK1)			Lab File ID: 0511BL1.D			Analyzed: 05/11/12 08:52			
Fluorobenzene	1143877	7.94	1155352	7.95	99	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	466507	11.06	465286	11.06	100	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	368122	13.46	370906	13.45	99	50 - 200	0.0100	+/-0.50	
GW8204-TB (1205070-15)			Lab File ID: 0507015.D			Analyzed: 05/11/12 09:46			
Fluorobenzene	1116797	7.94	1155352	7.95	97	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	451383	11.06	465286	11.06	97	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	358141	13.45	370906	13.45	97	50 - 200	0.0000	+/-0.50	
GW0610 (1205054-17)			Lab File ID: 0505417.D			Analyzed: 05/11/12 10:40			
Fluorobenzene	1110535	7.95	1155352	7.95	96	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	458398	11.06	465286	11.06	99	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	361496	13.45	370906	13.45	97	50 - 200	0.0000	+/-0.50	
GW0611 (1205054-19)			Lab File ID: 0505419.D			Analyzed: 05/11/12 11:06			
Fluorobenzene	1111847	7.94	1155352	7.95	96	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	462660	11.06	465286	11.06	99	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	362372	13.46	370906	13.45	98	50 - 200	0.0100	+/-0.50	
GW0612 (1205054-21)			Lab File ID: 0505421.D			Analyzed: 05/11/12 11:33			
Fluorobenzene	1111068	7.94	1155352	7.95	96	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	461968	11.06	465286	11.06	99	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	359868	13.46	370906	13.45	97	50 - 200	0.0100	+/-0.50	
GW0609 (1205070-13)			Lab File ID: 0507013.D			Analyzed: 05/11/12 12:54			
Fluorobenzene	1074940	7.94	1155352	7.95	93	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	447395	11.06	465286	11.06	96	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	344355	13.45	370906	13.45	93	50 - 200	0.0000	+/-0.50	
GW0599 (1205070-09)			Lab File ID: 0507009D.D			Analyzed: 05/11/12 13:21			
Fluorobenzene	1058806	7.94	1155352	7.95	92	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	429918	11.06	465286	11.06	92	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	329466	13.46	370906	13.45	89	50 - 200	0.0100	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13504	Instrument:	MS-VOA6
		Calibration:	2121003

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0600 (1205070-11)			Lab File ID: 0507011D.D			Analyzed: 05/11/12 13:47			
Fluorobenzene	1064838	7.94	1155352	7.95	92	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	425244	11.06	465286	11.06	91	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	327094	13.46	370906	13.45	88	50 - 200	0.0100	+/-0.50	
GW0511 (1205070-01)			Lab File ID: 0507001D.D			Analyzed: 05/11/12 14:14			
Fluorobenzene	1066062	7.95	1155352	7.95	92	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	426815	11.06	465286	11.06	92	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	333184	13.45	370906	13.45	90	50 - 200	0.0000	+/-0.50	
GW0512 (1205070-03)			Lab File ID: 0507003D.D			Analyzed: 05/11/12 14:41			
Fluorobenzene	1059448	7.94	1155352	7.95	92	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	428782	11.06	465286	11.06	92	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	330441	13.45	370906	13.45	89	50 - 200	0.0000	+/-0.50	
GW0570 (1205070-05)			Lab File ID: 0507005D.D			Analyzed: 05/11/12 15:08			
Fluorobenzene	1058065	7.95	1155352	7.95	92	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	433843	11.06	465286	11.06	93	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	337647	13.46	370906	13.45	91	50 - 200	0.0100	+/-0.50	
GW0586 (1205070-07)			Lab File ID: 0507007D.D			Analyzed: 05/11/12 15:35			
Fluorobenzene	1088782	7.95	1155352	7.95	94	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	442704	11.06	465286	11.06	95	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	346065	13.45	370906	13.45	93	50 - 200	0.0000	+/-0.50	
LCS Dup (2E11004-BSD1)			Lab File ID: 0511LCD1.D			Analyzed: 05/11/12 16:02			
Fluorobenzene	1067598	7.94	1155352	7.95	92	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	449337	11.06	465286	11.06	97	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	355139	13.46	370906	13.45	96	50 - 200	0.0100	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13604	Instrument:	MS-VOA6
		Calibration:	2121003

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2E13604-CCV1)			Lab File ID: 0514CCV1.D			Analyzed: 05/14/12 09:35			
Fluorobenzene	1116303	7.96	1322112	7.95	84	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	458967	11.07	523124	11.06	88	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	372174	13.46	431103	13.45	86	50 - 200	0.0100	+/-0.50	
LCS (2E14013-BS1)			Lab File ID: 0514LCS1.D			Analyzed: 05/14/12 10:09			
Fluorobenzene	1130165	7.95	1116303	7.96	101	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	465158	11.06	458967	11.07	101	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	376928	13.46	372174	13.46	101	50 - 200	0.0000	+/-0.50	
Blank (2E14013-BLK1)			Lab File ID: 0514BL1.D			Analyzed: 05/14/12 11:30			
Fluorobenzene	1125861	7.95	1116303	7.96	101	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	464375	11.06	458967	11.07	101	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	378330	13.46	372174	13.46	102	50 - 200	0.0000	+/-0.50	
GW8051-RB (1205080-11)			Lab File ID: 0508011.D			Analyzed: 05/14/12 11:57			
Fluorobenzene	1119682	7.95	1116303	7.96	100	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	465016	11.06	458967	11.07	101	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	377230	13.46	372174	13.46	101	50 - 200	0.0000	+/-0.50	
GW8205-TB (1205080-13)			Lab File ID: 0508013.D			Analyzed: 05/14/12 12:23			
Fluorobenzene	1116768	7.95	1116303	7.96	100	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	459369	11.06	458967	11.07	100	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	377674	13.46	372174	13.46	101	50 - 200	0.0000	+/-0.50	
GW0584 (1205080-09)			Lab File ID: 0508009.D			Analyzed: 05/14/12 14:11			
Fluorobenzene	1105366	7.95	1116303	7.96	99	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	460195	11.06	458967	11.07	100	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	362877	13.46	372174	13.46	98	50 - 200	0.0000	+/-0.50	
GW0508 (1205080-01)			Lab File ID: 0508001D.D			Analyzed: 05/14/12 17:19			
Fluorobenzene	1067298	7.95	1116303	7.96	96	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	432841	11.07	458967	11.07	94	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	340319	13.46	372174	13.46	91	50 - 200	0.0000	+/-0.50	
GW0509 (1205080-03)			Lab File ID: 0508003D.D			Analyzed: 05/14/12 17:45			
Fluorobenzene	1098001	7.95	1116303	7.96	98	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	452097	11.06	458967	11.07	99	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	364536	13.46	372174	13.46	98	50 - 200	0.0000	+/-0.50	
GW0513 (1205080-05)			Lab File ID: 0508005D.D			Analyzed: 05/14/12 18:12			
Fluorobenzene	1102459	7.96	1116303	7.96	99	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	459698	11.07	458967	11.07	100	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	365280	13.46	372174	13.46	98	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13604	Instrument:	MS-VOA6
		Calibration:	2121003

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0583 (1205080-07)			Lab File ID: 0508007D.D			Analyzed: 05/14/12 18:39			
Fluorobenzene	1091788	7.95	1116303	7.96	98	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	445270	11.07	458967	11.07	97	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	362067	13.46	372174	13.46	97	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13704	Instrument:	MS-VOA6
		Calibration:	2121003

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2E13704-CCV1)			Lab File ID: 0515CCV1.D			Analyzed: 05/15/12 09:31			
Fluorobenzene	1130960	7.95	1322112	7.95	86	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	472372	11.07	523124	11.06	90	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	379156	13.46	431103	13.45	88	50 - 200	0.0100	+/-0.50	
LCS (2E15012-BS1)			Lab File ID: 0515LCS1.D			Analyzed: 05/15/12 10:05			
Fluorobenzene	1146141	7.95	1130960	7.95	101	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	475492	11.06	472372	11.07	101	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	380029	13.46	379156	13.46	100	50 - 200	0.0000	+/-0.50	
Blank (2E15012-BLK1)			Lab File ID: 0515BL1.D			Analyzed: 05/15/12 11:26			
Fluorobenzene	1121261	7.95	1130960	7.95	99	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	470282	11.06	472372	11.07	100	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	377357	13.46	379156	13.46	100	50 - 200	0.0000	+/-0.50	
GW0583 (1205080-07RE1)			Lab File ID: 0508007R.D			Analyzed: 05/15/12 18:35			
Fluorobenzene	1061353	7.95	1130960	7.95	94	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	439756	11.06	472372	11.07	93	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	352259	13.46	379156	13.46	93	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13906	Instrument:	MS-VOA6
		Calibration:	2121003

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2E13906-CCV1)			Lab File ID: 0517CCV1.D			Analyzed: 05/17/12 09:41			
Fluorobenzene	1113063	7.96	1322112	7.95	84	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	454480	11.07	523124	11.06	87	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	366268	13.46	431103	13.45	85	50 - 200	0.0100	+/-0.50	
LCS (2E17014-BS1)			Lab File ID: 0517LCS1.D			Analyzed: 05/17/12 10:15			
Fluorobenzene	1188915	7.95	1113063	7.96	107	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	483813	11.06	454480	11.07	106	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	386183	13.46	366268	13.46	105	50 - 200	0.0000	+/-0.50	
Blank (2E17014-BLK1)			Lab File ID: 0517BL1.D			Analyzed: 05/17/12 11:36			
Fluorobenzene	1129685	7.95	1113063	7.96	101	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	461932	11.06	454480	11.07	102	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	372812	13.46	366268	13.46	102	50 - 200	0.0000	+/-0.50	
GW8206-TB (1205096-03)			Lab File ID: 0509603.D			Analyzed: 05/17/12 12:03			
Fluorobenzene	1109841	7.95	1113063	7.96	100	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	453233	11.06	454480	11.07	100	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	369708	13.46	366268	13.46	101	50 - 200	0.0000	+/-0.50	
GW0585 (1205096-01)			Lab File ID: 0509601.D			Analyzed: 05/17/12 13:23			
Fluorobenzene	1086920	7.96	1113063	7.96	98	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	446621	11.07	454480	11.07	98	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	362618	13.47	366268	13.46	99	50 - 200	0.0100	+/-0.50	

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121003	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	4/27/12 9:57 4/27/12 13:31

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acetone	1	~~0.1801176~~	2	0.1071343	4	9.755528E-02	10	8.601011E-02	20	8.151624E-02	100	8.590758E-02
Acrolein	2.502	~~0.0479271~~	5.005	4.244036E-02	10.01	4.136675E-02	25.02	3.939721E-02	50.05	0.0321366	250.2	3.434267E-02
Acrylonitrile	2.498	0.0912397	4.997	9.137988E-02	9.994	8.764754E-02	24.98	7.828111E-02	49.97	8.547037E-02	249.8	7.914204E-02
Benzene	0.5	0.9629495	1	0.9130717	2	0.916093	5	0.9172007	10	0.9526808	50	0.9448895
Bromobenzene	0.5	0.7095771	1	0.6910001	2	0.6980563	5	0.6819994	10	0.7146448	50	0.7114784
Bromochloromethane	0.5	0.1168124	1	0.1114805	2	0.1161442	5	0.11817	10	0.1248881	50	0.1241516
Tert-Amyl Methyl Ether	0.5	0.6591204	1	0.6427836	2	0.6485742	5	0.640684	10	0.6711781	50	0.6883959
Bromodichloromethane	0.5	0.2615357	1	0.2642326	2	0.2727676	5	0.269369	10	0.2959036	50	0.309363
Bromoform	0.5	0.2077016	1	0.2071471	2	0.2074382	5	0.2265467	10	0.2487134	50	0.3191807
Bromomethane	0.5	0.1557798	1	0.1508752	2	0.1465176	5	0.1292704	10	0.1574828	50	0.1505822
Bromofluorobenzene	30	0.8747748	35	0.8431836	40	0.8430485	50	0.8222031	60	0.8076482	70	0.800359
n-Butylbenzene	0.5	2.036998	1	1.955154	2	1.893978	5	1.907572	10	1.994854	50	2.058918
2-Butanone	1	0.1826121	2	0.1688407	4	0.1440387	10	0.1417527	20	0.1393668	100	0.1451565
sec-Butylbenzene	0.5	2.724093	1	2.626513	2	2.545937	5	2.586022	10	2.672613	50	2.779686
tert-Butylbenzene	0.5	1.9504	1	1.863799	2	1.871307	5	1.89602	10	1.975223	50	2.024437
Carbon disulfide	0.5	0.5205995	1	0.5309232	2	0.4872952	5	0.4978307	10	0.5944804	50	0.5476684
Carbon tetrachloride	0.5	0.1888145	1	0.1838791	2	0.1951106	5	0.1963767	10	0.2119815	50	0.2398043
Chlorobenzene	0.5	1.552623	1	1.445801	2	1.427301	5	1.445921	10	1.476692	50	1.449688
Chloroethane	0.5	0.1512853	1	0.1580256	2	0.1500205	5	0.1347753	10	0.1601011	50	0.1404982
Chloroform	0.5	0.4405522	1	0.4151525	2	0.4107461	5	0.40001	10	0.4222335	50	0.4127237
2-Chloroethyl vinyl ether	0.9975	0.1565532	1.995	0.149674	3.99	0.1581098	9.975	0.1611502	19.95	0.1675079	99.75	0.1699233
Chloromethane	0.5	0.3788425	1	0.2596072	2	0.2885362	5	0.2603289	10	0.2827593	50	0.2739572
1-Chlorohexane	0.5	0.9700645	1	0.7938692	2	0.7294273	5	0.6956974	10	0.6994101	50	0.7180541
2-Chlorotoluene	0.5	2.151769	1	2.081807	2	2.01671	5	2.028643	10	2.114715	50	2.108333
4-Chlorotoluene	0.5	2.501631	1	2.404381	2	2.29168	5	2.304939	10	2.419026	50	2.373863
Cyclohexane	0.5	0.4140795	1	0.3786403	2	0.377698	5	0.3938017	10	0.4063337	50	0.4162962
Dibromochloromethane	0.5	0.3676284	1	0.3711177	2	0.3854266	5	0.406309	10	0.4467098	50	0.518439
1,2-Dibromo-3-chloropropane	0.5	~~8.923491E-02~~	1	8.897867E-02	2	9.772513E-02	5	0.1032282	10	0.1102168	50	0.1329612
1,2-Dibromoethane (EDB)	0.5	0.5309435	1	0.5150024	2	0.5338531	5	0.5384039	10	0.5607714	50	0.5646662
Dibromomethane	0.5	0.1576675	1	0.1522382	2	0.1575075	5	0.157498	10	0.1661466	50	0.1658159
1,2-Dichlorobenzene	0.5	1.256783	1	1.219071	2	1.149309	5	1.153506	10	1.207395	50	1.208944

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121003	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	4/27/12 9:57 4/27/12 13:31

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,3-Dichlorobenzene	0.5	1.31396	1	1.244443	2	1.229276	5	1.221355	10	1.265212	50	1.247947
1,4-Dichlorobenzene	0.5	1.35143	1	1.27373	2	1.227318	5	1.248718	10	1.277693	50	1.255675
Dichlorodifluoromethane	0.5	0.1683195	1	0.1611093	2	0.1663599	5	0.1724241	10	0.2130691	50	0.2174111
1,1-Dichloroethane	0.5	0.4524627	1	0.4473073	2	0.4550976	5	0.4422696	10	0.472133	50	0.4719491
1,2-Dichloroethane	0.5	0.3542575	1	0.342508	2	0.3494061	5	0.3406776	10	0.3634142	50	0.3579977
1,1-Dichloroethene	0.5	0.18023	1	0.1829182	2	0.1878138	5	0.1836743	10	0.1785758	50	0.178688
cis-1,2-Dichloroethene	0.5	0.243333	1	0.2439208	2	0.2514144	5	0.2446177	10	0.2538203	50	0.2475189
trans-1,2-Dichloroethene	0.5	0.238344	1	0.2291282	2	0.2293002	5	0.2266238	10	0.2421863	50	0.2363768
1,2-Dichloroethene (total)	1	0.2408385	2	0.2365245	4	0.2403573	10	0.2356207	20	0.2480033	100	0.2419478
1,2-Dichloropropane	0.5	0.2559176	1	0.2553169	2	0.2579837	5	0.2545473	10	0.2721854	50	0.2647032
1,3-Dichloropropane	0.5	0.9192403	1	0.8614716	2	0.8881191	5	0.8952218	10	0.9160917	50	0.9031252
2,2-Dichloropropane	0.5	0.2989301	1	0.2795391	2	0.2842163	5	0.2882842	10	0.2981496	50	0.3006877
1,1-Dichloropropene	0.5	0.3266612	1	0.3095935	2	0.3151158	5	0.3150822	10	0.3289735	50	0.3266598
cis-1,3-Dichloropropene	0.5	0.3323243	1	0.3255927	2	0.3344992	5	0.3321005	10	0.3621164	50	0.3671761
trans-1,3-Dichloropropene	0.5	0.756377	1	0.7372835	2	0.7589611	5	0.793418	10	0.8336283	50	0.8665259
Diisopropyl Ether	0.5	1.034008	1	1.001045	2	0.994567	5	1.003313	10	1.050524	50	1.02579
Ethylbenzene	0.5	2.554537	1	2.403752	2	2.427694	5	2.47895	10	2.544432	50	2.548168
Ethyl tert-Butyl Ether	0.5	0.7646965	1	0.7663081	2	0.7635321	5	0.768298	10	0.7948713	50	0.785385
Ethyl Methacrylate	0.5	0.7206871	1	0.7056801	2	0.7205363	5	0.7248645	10	0.7575873	50	0.8002675
Hexachlorobutadiene	0.5	0.3296002	1	0.2917494	2	0.2774432	5	0.2739577	10	0.2817864	50	0.2922522
2-Hexanone	1	0.5079596	2	0.4683205	4	0.4739721	10	0.4778848	20	0.4662819	100	0.4970752
Iodomethane	0.5	~~0.13924~~	1	0.1819574	2	0.2066936	5	0.2359951	10	0.2660553	50	0.2769532
Isopropylbenzene	0.5	1.970849	1	2.025179	2	2.011303	5	2.033346	10	2.09977	50	2.126888
p-Isopropyltoluene	0.5	2.141915	1	2.020368	2	2.033851	5	2.052498	10	2.128308	50	2.209439
Methylene chloride	0.5	0.2501197	1	0.2485463	2	0.2087417	5	0.2001706	10	0.2287221	50	0.199494
Methyl Acetate	0.5	0.1741624	1	0.1859125	2	0.1795322	5	0.1606203	10	0.1988943	50	0.1711726
Methylcyclohexane	0.5	0.3150204	1	0.2941306	2	0.2971312	5	0.2965755	10	0.3095118	50	0.3219644
Naphthalene	0.5	1.302164	1	1.248637	2	1.265274	5	1.328147	10	1.372535	50	1.492241
Methyl Methacrylate	0.5	0.2725473	1	0.2654616	2	0.2575361	5	0.2483572	10	0.2621918	50	0.2696424
4-Methyl-2-pentanone	1	0.2825701	2	0.2756957	4	0.2693934	10	0.2640729	20	0.2713857	100	0.2843169
Methyl t-Butyl Ether	0.5	0.6081975	1	0.5833675	2	0.5873237	5	0.5923205	10	0.6148058	50	0.6098324

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121003	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	4/27/12 9:57 4/27/12 13:31

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
n-Propylbenzene	0.5	3.417295	1	3.267956	2	3.258523	5	3.233046	10	3.421802	50	3.461269
Styrene	0.5	1.536359	1	1.469448	2	1.497588	5	1.569024	10	1.628757	50	1.638668
1,1,2,2-Tetrachloroethane	0.5	0.8036693	1	0.8065395	2	0.79348	5	0.8067446	10	0.8366444	50	0.8542512
1,1,1,2-Tetrachloroethane	0.5	0.3596094	1	0.3606018	2	0.3660739	5	0.3833928	10	0.4118206	50	0.4541538
tert-Butyl alcohol	2.5	1.889493E-02	5	1.790302E-02	10	1.798231E-02	25	1.809741E-02	50	1.766726E-02	250	1.700114E-02
Tetrachloroethene	0.5	0.5635839	1	0.5069346	2	0.4861446	5	0.5090762	10	0.5212109	50	0.5180552
Toluene	0.5	1.362766	1	1.279828	2	1.326163	5	1.304249	10	1.354235	50	1.317459
1,2,3-Trichlorobenzene	0.5	0.6296404	1	0.599575	2	0.5919841	5	0.6095713	10	0.6370157	50	0.6649169
1,2,4-Trichlorobenzene	0.5	0.7606478	1	0.7021836	2	0.675145	5	0.7034746	10	0.7225698	50	0.7525264
1,1,2-Trichloroethane	0.5	0.435281	1	0.4545218	2	0.4347619	5	0.4350976	10	0.4488943	50	0.4434502
1,1,1-Trichloroethane	0.5	0.2733114	1	0.2661096	2	0.271391	5	0.2817628	10	0.2992965	50	0.3088854
Tetrahydrofuran	0.5	2.521422E-02	1	2.992029E-02	2	2.637809E-02	5	2.622168E-02	10	2.670446E-02	50	2.675506E-02
Trichloroethene	0.5	0.2406362	1	0.2316979	2	0.2307327	5	0.2279489	10	0.2397644	50	0.2392643
Trichlorofluoromethane	0.5	0.3011324	1	0.2663331	2	0.2980937	5	0.3116287	10	0.3175633	50	0.3356837
1,2,3-Trichloropropane	0.5	0.1603786	1	0.1652503	2	0.1762776	5	0.1711143	10	0.1721076	50	0.1752998
1,3,5-Trimethylbenzene	0.5	2.21644	1	2.114309	2	2.097947	5	2.126694	10	2.221626	50	2.240507
1,2,4-Trimethylbenzene	0.5	2.210195	1	2.115148	2	2.089978	5	2.1486	10	2.246429	50	2.259796
1,1,2-Trichloro-1,2,2-trifluoroethan	0.5	0.1723646	1	0.1922586	2	0.186773	5	0.184414	10	0.1790899	50	0.1852501
Vinyl chloride	0.5	0.2045902	1	0.185622	2	0.1845795	5	0.1630709	10	0.2004388	50	0.1813677
m,p-Xylene	1	2.002417	2	1.894036	4	1.873731	10	1.89301	20	1.962783	100	1.937909
o-Xylene	0.5	1.980788	1	1.849802	2	1.942643	5	1.992388	10	2.013759	50	1.980534
Vinyl acetate	0.996	0.5876486	1.992	0.5757829	3.984	0.5986996	9.96	0.6331327	19.92	0.6536054	99.62	0.6948853
Xylenes (total)	1.5	1.995207	3	1.879291	6	1.896702	15	1.926136	30	1.979775	150	1.952118
Dibromofluoromethane	30	0.2695277	35	0.2630432	40	0.259221	50	0.2545377	60	0.2525862	70	0.2515808
1,2-Dichloroethane-d4	30	6.300259E-02	35	6.171312E-02	40	6.123085E-02	50	5.958058E-02	60	5.883793E-02	70	5.849536E-02
Toluene-d8	30	2.308584	35	2.221578	40	2.199072	50	2.156851	60	2.10421	70	2.074859
tert-Amyl alcohol	2.5	1.241385E-02	5	1.288427E-02	10	0.0132215	25	1.345847E-02	50	1.370272E-02	250	1.485528E-02
tert-Amyl ethyl ether	0.5	0.6285127	1	0.6134666	2	0.6092029	5	0.6183879	10	0.646779	50	0.6433191

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121003	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	4/27/12 9:57 4/27/12 13:31

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acetone	200	7.471387E-02	300	0.0770132	400	7.404267E-02						
Acrolein	500.5	3.050923E-02	750.8	3.130578E-02	1001	3.056155E-02						
Acrylonitrile	499.7	8.365227E-02	749.6	8.621994E-02	999.4	0.084467						
Benzene	100	0.9377479	150	0.9336495	200	0.9053141						
Bromobenzene	100	0.7182263	150	0.7272978	200	0.7267507						
Bromochloromethane	100	0.1224581	150	0.1222339	200	0.1193159						
Tert-Amyl Methyl Ether	100	0.6749814	150	0.6759677	200	0.6696095						
Bromodichloromethane	100	0.3185574	150	0.318914	200	0.3161989						
Bromoform	100	0.3506586	150	0.3711772	200	0.3885488						
Bromomethane	100	0.1604913	150	0.155116	200	0.1514669						
Bromofluorobenzene	30	0.8958014	30	0.9107067	30	0.9258792						
n-Butylbenzene	100	2.05639	150	2.078431	200	1.986144						
2-Butanone	200	0.1417989	300	0.1447502	400	0.1452955						
sec-Butylbenzene	100	2.756524	150	2.77685	200	2.684998						
tert-Butylbenzene	100	2.028362	150	2.044402	200	2.006021						
Carbon disulfide	100	0.5934856	150	0.6030974	200	0.5664481						
Carbon tetrachloride	100	0.2494153	150	0.2610243	200	0.2548589						
Chlorobenzene	100	1.458923	150	1.474705	200	1.487455						
Chloroethane	100	0.1576256	150	0.1414764	200	0.1359614						
Chloroform	100	0.4118854	150	0.4084187	200	0.4033273						
2-Chloroethyl vinyl ether	199.5	0.1668353	299.2	0.1669099	399	0.1614332						
Chloromethane	100	0.2780356	150	0.2706652	200	0.2664843						
1-Chlorohexane	100	0.7097214	150	0.7231164	200	0.7256518						
2-Chlorotoluene	100	2.102836	150	2.118416	200	2.080614						
4-Chlorotoluene	100	2.392896	150	2.402408	200	2.364665						
Cyclohexane	100	0.4005054	150	0.406149	200	0.3857435						
Dibromochloromethane	100	0.5469699	150	0.5789153	200	0.5931025						
1,2-Dibromo-3-chloropropane	100	0.1384731	150	~~0.146163~~	200	~~0.1495986~~						
1,2-Dibromoethane (EDB)	100	0.566303	150	0.5748398	200	0.5788857						
Dibromomethane	100	0.1617228	150	0.1596578	200	0.1595766						
1,2-Dichlorobenzene	100	1.207977	150	1.222466	200	1.207476						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121003	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	4/27/12 9:57 4/27/12 13:31

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,3-Dichlorobenzene	100	1.254005	150	1.276444	200	1.260036						
1,4-Dichlorobenzene	100	1.258258	150	1.262381	200	1.257068						
Dichlorodifluoromethane	100	0.2148317	150	0.2148874	200	0.2039158						
1,1-Dichloroethane	100	0.4643047	150	0.4694452	200	0.4603373						
1,2-Dichloroethane	100	0.352667	150	0.3533085	200	0.3449133						
1,1-Dichloroethene	100	0.1797146	150	0.1790365	200	0.1842444						
cis-1,2-Dichloroethene	100	0.2459143	150	0.2455829	200	0.2395434						
trans-1,2-Dichloroethene	100	0.2358056	150	0.2361538	200	0.228198						
1,2-Dichloroethene (total)	200	0.2408599	300	0.2408683	400	0.2338707						
1,2-Dichloropropane	100	0.2602117	150	0.2597686	200	0.2530029						
1,3-Dichloropropane	100	0.8901245	150	0.900473	200	0.9141893						
2,2-Dichloropropane	100	0.298285	150	0.3023606	200	0.2918012						
1,1-Dichloropropene	100	0.3205383	150	0.3197314	200	0.3087253						
cis-1,3-Dichloropropene	100	0.3710314	150	0.3742965	200	0.3698838						
trans-1,3-Dichloropropene	100	0.8900545	150	0.8931115	200	0.8864539						
Diisopropyl Ether	100	1.010086	150	1.017062	200	0.9930346						
Ethylbenzene	100	2.520833	150	2.567098	200	2.554625						
Ethyl tert-Butyl Ether	100	0.7696659	150	0.7759792	200	0.7615729						
Ethyl Methacrylate	100	0.7924296	150	0.8186302	200	0.8176895						
Hexachlorobutadiene	100	0.2985679	150	0.3142088	200	0.3170123						
2-Hexanone	200	0.4787794	300	0.496152	400	0.4952994						
Iodomethane	100	0.305896	150	0.2941182	200	0.3029534						
Isopropylbenzene	100	2.122517	150	2.140749	200	2.117771						
p-Isopropyltoluene	100	2.181694	150	2.190265	200	2.152492						
Methylene chloride	100	0.2123295	150	0.214426	200	0.2085143						
Methyl Acetate	100	0.1765423	150	0.1855354	200	0.1808324						
Methylcyclohexane	100	0.3083533	150	0.3113591	200	0.300306						
Naphthalene	100	1.540451	150	1.597726	200	1.470014						
Methyl Methacrylate	100	0.2620414	150	0.2648154	200	0.2573468						
4-Methyl-2-pentanone	200	0.2747214	300	0.2768126	400	0.2696402						
Methyl t-Butyl Ether	100	0.6057527	150	0.6179849	200	0.6113409						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121003	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	4/27/12 9:57 4/27/12 13:31

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
n-Propylbenzene	100	3.401236	150	3.47307	200	3.363618						
Styrene	100	1.632015	150	1.632322	200	1.63771						
1,1,2,2-Tetrachloroethane	100	0.8383679	150	0.8603034	200	0.8493742						
1,1,1,2-Tetrachloroethane	100	0.4730294	150	0.4863279	200	0.4963508						
tert-Butyl alcohol	500	1.770425E-02	750	1.730916E-02	1000	0.0173273						
Tetrachloroethene	100	0.5191535	150	0.5319872	200	0.5328344						
Toluene	100	1.292795	150	1.278975	200	1.245466						
1,2,3-Trichlorobenzene	100	0.6721853	150	0.701615	200	0.6822393						
1,2,4-Trichlorobenzene	100	0.7687008	150	0.7914642	200	0.7669205						
1,1,2-Trichloroethane	100	0.4415981	150	0.444404	200	0.4457277						
1,1,1-Trichloroethane	100	0.3108855	150	0.3149333	200	0.3105973						
Tetrahydrofuran	100	2.659779E-02	150	2.681471E-02	200	2.683712E-02						
Trichloroethene	100	0.2333937	150	0.2353471	200	0.2279421						
Trichlorofluoromethane	100	0.3128938	150	0.3352327	200	0.3205547						
1,2,3-Trichloropropane	100	0.1761729	150	0.1767071	200	0.1812664						
1,3,5-Trimethylbenzene	100	2.256857	150	2.277194	200	2.230794						
1,2,4-Trimethylbenzene	100	2.285599	150	2.283346	200	2.234423						
1,1,2-Trichloro-1,2,2-trifluoroethan	100	0.1942506	150	0.1822407	200	0.1862248						
Vinyl chloride	100	0.1896973	150	0.1819323	200	0.1721193						
m,p-Xylene	200	1.887316	300	1.871684	400	1.733385						
o-Xylene	100	1.967587	150	1.954629	200	1.949325						
Vinyl acetate	199.2	0.6856328	298.9	0.6976122	398.5	0.6933485						
Xylenes (total)	300	1.914074	450	1.899333	600	1.805365						
Dibromofluoromethane	30	0.2729593	30	0.2727375	30	0.2718363						
1,2-Dichloroethane-d4	30	6.267166E-02	30	0.063738	30	6.480673E-02						
Toluene-d8	30	2.351079	30	2.399675	30	2.438261						
tert-Amyl alcohol	500	1.467905E-02	750	0.0151569	1000	1.531081E-02						
tert-Amyl ethyl ether	100	0.6392434	150	0.6338444	200	0.6188017						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121003	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	4/27/12 9:57 4/27/12 13:31

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acetone	8.548666E-02	13.62246	3.79875	9.274653E-02			15	
Acrolein	3.525752E-02	14.25592	3.67625	0.1406711			15	
Acrylonitrile	8.527776E-02	5.393199	4.643333	0.1072277			15	
Benzene	0.9315107	2.122697	7.685555	9.539806E-02			15	
Bromobenzene	0.7087812	2.200287	12.42	2.226331E-02			15	
Bromochloromethane	0.1195172	3.640977	6.781111	8.876222E-02			15	
Tert-Amyl Methyl Ether	0.6634772	2.496612	7.881111	4.329758E-02			15	
Bromodichloromethane	0.2918713	8.490543	8.666667	5.634014E-02			15	
Bromoform	0.2807903	27.07999	11.82333	0.0385467		0.9999206	SPCC (0.1)	
Bromomethane	0.1508425	6.0413	2.827778	0.1564675			15	
Bromofluorobenzene	0.8581783	5.320451	12.25222	3.512838E-02			15	
n-Butylbenzene	1.996493	3.36345	13.84778	3.214818E-02			15	
2-Butanone	0.1504013	9.901311	6.253333	8.003784E-02			15	
sec-Butylbenzene	2.683693	3.138093	13.30222	2.896654E-02			15	
tert-Butylbenzene	1.962219	3.583794	13.07222	3.164283E-02			15	
Carbon disulfide	0.549092	7.8436	4.795556	0.1085594			15	
Carbon tetrachloride	0.2201406	14.06956	7.652222	5.963417E-02			15	
Chlorobenzene	1.46879	2.490997	11.1	1.265792E-02			SPCC (0.3)	
Chloroethane	0.1477522	6.651077	2.965556	0.177739			15	
Chloroform	0.4138944	2.873397	6.754445	7.677392E-02			CCC (20)	
2-Chloroethyl vinyl ether	0.1620108	4.014319	9.023334	5.188695E-02			15	
Chloromethane	0.2843574	12.91666	2.231111	0.1482605			SPCC (0.1)	
1-Chlorohexane	0.751668	11.54226	11.06222	3.856191E-02			15	
2-Chlorotoluene	2.089316	2.074047	12.63333	4.148019E-02			15	
4-Chlorotoluene	2.383943	2.617429	12.69444	3.969977E-02			15	
Cyclohexane	0.3976941	3.654048	7.583333	6.438874E-02			15	
Dibromochloromethane	0.4682909	19.58175	10.33111	3.516709E-02		0.9999077	0.99	
1,2-Dibromo-3-chloropropane	0.1119305	17.66175	14.45	1.563473E-02		0.9998905	0.99	
1,2-Dibromoethane (EDB)	0.5515188	4.059789	10.55	1.218384E-02			15	
Dibromomethane	0.159759	2.732959	8.607778	5.269306E-02			15	
1,2-Dichlorobenzene	1.203659	2.780049	13.81	8.95784E-03			15	
1,3-Dichlorobenzene	1.256964	2.176385	13.39333	3.806423E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2121003	Instrument:	MS-VOA6	
Matrix:	Water	Calibration Dates:	4/27/12 9:57	4/27/12 13:31

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.26803	2.71936	13.48444	3.695711E-02			15	
Dichlorodifluoromethane	0.1924809	12.76598	2.02	0.0136054			15	
1,1-Dichloroethane	0.4594785	2.373803	5.8	1.821231E-02			SPCC (0.1)	
1,2-Dichloroethane	0.3510167	2.112895	7.514445	7.102877E-02			15	
1,1-Dichloroethene	0.1816551	1.754323	4.266667	0.1186659			CCC (20)	
cis-1,2-Dichloroethene	0.2461851	1.74528	6.51	7.808219E-02			15	
trans-1,2-Dichloroethene	0.2335685	2.303894	5.422222	0.1220387			15	
1,2-Dichloroethene (total)	0.2398768	1.736859	6.51	7.808219E-02			15	
1,2-Dichloropropane	0.259293	2.312194	8.492222	4.863254E-02			CCC (20)	
1,3-Dichloropropane	0.8986729	1.994678	10.07333	4.862251E-02			15	
2,2-Dichloropropane	0.2935838	2.733695	6.614444	7.823592E-02			15	
1,1-Dichloropropene	0.319009	2.335894	7.533333	6.861941E-02			15	
cis-1,3-Dichloropropene	0.3521134	5.766677	9.241111	3.306317E-02			15	
trans-1,3-Dichloropropene	0.8239793	7.699482	9.71	1.779117E-02			15	
Diisopropyl Ether	1.014381	1.907698	6.173333	0.0812548			15	
Ethylbenzene	2.511121	2.398092	11.24778	3.875475E-02			CCC (20)	
Ethyl tert-Butyl Ether	0.7722566	1.449832	6.641111	5.284476E-02			15	
Ethyl Methacrylate	0.7620413	5.994742	9.901111	0.0370684			15	
Hexachlorobutadiene	0.2973976	6.462892	15.81111	2.267311E-02			15	
2-Hexanone	0.4846361	3.044602	10.01222	6.526454E-02			15	
Iodomethane	0.2588278	17.84729	4.46125	7.694245E-02		0.9994425	0.99	
Isopropylbenzene	2.072041	2.992551	12.14222	3.773169E-02			15	
p-Isopropyltoluene	2.123426	3.336119	13.44222	3.452873E-02			15	
Methylene chloride	0.2190071	8.77048	4.755556	0.1109935			15	
Methyl Acetate	0.1792449	5.975949	4.631111	7.186884E-02			15	
Methylcyclohexane	0.3060391	3.107595	8.814445	5.861741E-02			15	
Naphthalene	1.40191	9.049186	15.68111	0.0229818			15	
Methyl Methacrylate	0.2622156	2.752967	8.627778	4.639833E-02			15	
4-Methyl-2-pentanone	0.2742899	2.362881	9.17	2.223127E-02			15	
Methyl t-Butyl Ether	0.6034362	2.078315	5.425555	0.0958311			15	
n-Propylbenzene	3.366424	2.705707	12.55111	4.793217E-02			15	
Styrene	1.582432	4.214249	11.72	2.468036E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2121003	Instrument:	MS-VOA6	
Matrix:	Water	Calibration Dates:	4/27/12 9:57	4/27/12 13:31

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1,2,2-Tetrachloroethane	0.8277083	3.040542	12.06444	0.0394937			SPCC (0.3)	
1,1,1,2-Tetrachloroethane	0.4212623	13.45017	11.14111	3.262536E-02			15	
tert-Butyl alcohol	0.0177652	3.114812	4.438889	0.1349856			15	
Tetrachloroethene	0.5209978	4.094883	10.44222	4.320136E-02			15	
Toluene	1.306882	2.880498	9.711111	3.882733E-02			CCC (20)	
1,2,3-Trichlorobenzene	0.6431937	6.053357	15.96444	3.389544E-02			15	
1,2,4-Trichlorobenzene	0.7381814	5.252041	15.53	7.599921E-03			15	
1,1,2-Trichloroethane	0.4426374	1.531824	9.867778	4.848003E-02			15	
1,1,1-Trichloroethane	0.2930192	6.725129	7.317778	5.889306E-02			15	
Tetrahydrofuran	2.682705E-02	4.716978	6.973333	7.377964E-02			15	
Trichloroethene	0.2340808	2.116677	8.442222	4.746849E-02			15	
Trichlorofluoromethane	0.3110129	6.814927	3.471111	0.1732996			15	
1,2,3-Trichloropropane	0.1727305	3.725216	12.19333	3.802018E-02			15	
1,3,5-Trimethylbenzene	2.198041	3.035595	12.73222	3.176895E-02			15	
1,2,4-Trimethylbenzene	2.208168	3.306208	13.10222	3.678199E-02			15	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1847629	3.554268	4.348889	7.522899E-02			15	
Vinyl chloride	0.1848242	6.933849	2.381111	0.1402005			CCC (20)	
m,p-Xylene	1.895141	3.964217	11.35333	4.439117E-02			15	
o-Xylene	1.959051	2.382637	11.75	0			15	
Vinyl acetate	0.6467053	7.665063	5.88	1.287752E-02			15	
Xylenes (total)	1.916445	2.97403	11.75	0			15	
Dibromofluoromethane	0.2631144	3.397573	6.932222	0.0649494			15	
1,2-Dichloroethane-d4	6.156409E-02	3.607168	7.423333	6.721134E-02			15	
Toluene-d8	2.250463	5.782973	9.635556	5.182899E-02			15	
tert-Amyl alcohol	1.396476E-02	7.58956	7.14	7.130057E-02			15	
tert-Amyl ethyl ether	0.6279509	2.173103	8.757778	7.543113E-02			15	

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	0427ICV2.D	Calibration Date:	04/27/12 09:57
Sequence:	2D12109	Injection Date:	04/27/12
Lab Sample ID:	2D12109-ICV2	Injection Time:	14:52

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetone	A	200.0	169.4	8.548666E-02	7.240282E-02		-15.3	20
Benzene	A	100.0	99.10	0.9315107	0.9230922		-0.9	20
Bromobenzene	A	100.0	101.4	0.7087812	0.719042		1.4	20
Bromochloromethane	A	100.0	99.63	0.1195172	0.11908		-0.4	20
Bromodichloromethane	A	100.0	100.4	0.2918713	0.2931071		0.4	20
Bromoform	Q	100.0	98.14	0.2807903	0.3418473	0.1	-1.9	20
Bromomethane	A	100.0	110.9	0.1508425	0.1673223		10.9	20
n-Butylbenzene	A	100.0	99.93	1.996493	1.995098		-0.07	20
2-Butanone	A	200.0	179.3	0.1504013	0.1348674		-10.3	20
sec-Butylbenzene	A	100.0	100.9	2.683693	2.707207		0.9	20
tert-Butylbenzene	A	100.0	102.1	1.962219	2.003112		2.1	20
Carbon disulfide	A	100.0	85.87	0.549092	0.4714957		-14.1	20
Carbon tetrachloride	A	100.0	109.1	0.2201406	0.2402076		9.1	20
Chlorobenzene	A	100.0	97.51	1.46879	1.432212	0.3	-2.5	20
Chloroethane	A	100.0	107.4	0.1477522	0.1586388		7.4	20
Chloroform	A	100.0	94.73	0.4138944	0.3920877		-5.3	20
Chloromethane	A	100.0	89.50	0.2843574	0.254513	0.1	-10.5	20
2-Chlorotoluene	A	100.0	98.14	2.089316	2.050395		-1.9	20
4-Chlorotoluene	A	100.0	97.30	2.383943	2.319647		-2.7	20
Dibromochloromethane	Q	100.0	98.22	0.4682909	0.5398128		-1.8	20
1,2-Dibromo-3-chloropropane	Q	100.0	96.22	0.1119305	0.1328909		-3.8	20
1,2-Dibromoethane (EDB)	A	100.0	102.4	0.5515188	0.56473		2.4	20
Dibromomethane	A	100.0	97.65	0.159759	0.156001		-2.4	20
1,2-Dichlorobenzene	A	100.0	99.01	1.203659	1.191714		-1.0	20
1,3-Dichlorobenzene	A	100.0	97.90	1.256964	1.23052		-2.1	20
1,4-Dichlorobenzene	A	100.0	98.32	1.26803	1.246685		-1.7	20
Dichlorodifluoromethane	A	100.0	107.4	0.1924809	0.2066581		7.4	20
1,1-Dichloroethane	A	100.0	97.76	0.4594785	0.4491996	0.1	-2.2	20
1,2-Dichloroethane	A	100.0	96.37	0.3510167	0.338278		-3.6	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	0427ICV2.D	Calibration Date:	04/27/12 09:57
Sequence:	2D12109	Injection Date:	04/27/12
Lab Sample ID:	2D12109-ICV2	Injection Time:	14:52

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,1-Dichloroethene	A	100.0	96.12	0.1816551	0.1745999		-3.9	20
cis-1,2-Dichloroethene	A	100.0	98.62	0.2461851	0.2427885		-1.4	20
trans-1,2-Dichloroethene	A	100.0	99.18	0.2335685	0.2316633		-0.8	20
1,2-Dichloropropane	A	100.0	99.78	0.259293	0.2587233		-0.2	20
1,3-Dichloropropane	A	100.0	100.8	0.8986729	0.9061445		0.8	20
2,2-Dichloropropane	A	100.0	95.61	0.2935838	0.2806837		-4.4	20
1,1-Dichloropropene	A	100.0	97.55	0.319009	0.311192		-2.5	20
cis-1,3-Dichloropropene	A	100.0	107.0	0.3521134	0.3767175		7.0	20
trans-1,3-Dichloropropene	A	100.0	96.29	0.8239793	0.7933875		-3.7	20
Ethylbenzene	A	100.0	100.4	2.511121	2.520183		0.4	20
Hexachlorobutadiene	A	100.0	99.17	0.2973976	0.2949307		-0.8	20
2-Hexanone	A	200.0	194.0	0.4846361	0.4700208		-3.0	20
Isopropylbenzene	A	100.0	93.88	2.072041	1.94514		-6.1	20
p-Isopropyltoluene	A	100.0	95.71	2.123426	2.032234		-4.3	20
Methylene chloride	A	100.0	88.72	0.2190071	0.1943103		-11.3	20
Naphthalene	A	100.0	97.13	1.40191	1.361695		-2.9	20
4-Methyl-2-pentanone	A	200.0	193.1	0.2742899	0.2648278		-3.4	20
Methyl t-Butyl Ether	A	100.0	99.11	0.6034362	0.5980958		-0.9	20
n-Propylbenzene	A	100.0	99.53	3.366424	3.350497		-0.5	20
Styrene	A	100.0	101.6	1.582432	1.60805		1.6	20
1,1,2,2-Tetrachloroethane	A	100.0	99.98	0.8277083	0.8275818	0.3	-0.02	20
1,1,1,2-Tetrachloroethane	A	100.0	112.6	0.4212623	0.4744246		12.6	20
Tetrachloroethene	A	100.0	98.83	0.5209978	0.5148846		-1.2	20
Toluene	A	100.0	99.26	1.306882	1.297251		-0.7	20
1,2,3-Trichlorobenzene	A	100.0	100.5	0.6431937	0.6466824		0.5	20
1,2,4-Trichlorobenzene	A	100.0	99.90	0.7381814	0.7374543		-0.1	20
1,1,2-Trichloroethane	A	100.0	101.2	0.4426374	0.4479132		1.2	20
1,1,1-Trichloroethane	A	100.0	103.7	0.2930192	0.3038476		3.7	20
Trichloroethene	A	100.0	97.09	0.2340808	0.2272732		-2.9	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	0427ICV2.D	Calibration Date:	04/27/12 09:57
Sequence:	2D12109	Injection Date:	04/27/12
Lab Sample ID:	2D12109-ICV2	Injection Time:	14:52

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Trichlorofluoromethane	A	100.0	96.47	0.3110129	0.3000265		-3.5	20
1,2,3-Trichloropropane	A	100.0	98.20	0.1727305	0.1696184		-1.8	20
1,3,5-Trimethylbenzene	A	100.0	104.0	2.198041	2.284755		3.9	20
1,2,4-Trimethylbenzene	A	100.0	102.2	2.208168	2.255949		2.2	20
Vinyl chloride	A	100.0	101.4	0.1848242	0.1873255		1.4	20
Xylenes (total)	A	300.0	295.8	1.916445	1.889213		-1.4	20
Bromofluorobenzene	A	30.00	31.58	0.8581783	0.9032791		5.3	20
Dibromofluoromethane	A	30.00	30.78	0.2631144	0.269967		2.6	20
1,2-Dichloroethane-d4	A	30.00	31.00	6.156409E-02	6.362317E-02		3.3	20
Toluene-d8	A	30.00	31.76	2.250463	2.382583		5.9	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	0510CCV1.D	Calibration Date:	04/27/12 09:57
Sequence:	2E13201	Injection Date:	05/10/12
Lab Sample ID:	2E13201-CCV1	Injection Time:	07:34

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	156.8	8.548666E-02	6.701765E-02		-21.6	20 *
Benzene	A	100.0	104.3	0.9315107	0.9714356		4.3	20
Bromobenzene	A	100.0	103.1	0.7087812	0.730982		3.1	20
Bromochloromethane	A	100.0	105.5	0.1195172	0.1261258		5.5	20
Bromodichloromethane	A	100.0	114.4	0.2918713	0.3338677		14.4	20
Bromoform	Q	100.0	106.0	0.2807903	0.3728121	0.1	6.0	20
Bromomethane	A	100.0	91.54	0.1508425	0.1380819		-8.5	20
n-Butylbenzene	A	100.0	107.2	1.996493	2.139763		7.2	20
2-Butanone	A	200.0	181.5	0.1504013	0.1364579		-9.3	20
sec-Butylbenzene	A	100.0	105.8	2.683693	2.840603		5.8	20
tert-Butylbenzene	A	100.0	106.9	1.962219	2.098172		6.9	20
Carbon disulfide	A	100.0	110.5	0.549092	0.6065898		10.5	20
Carbon tetrachloride	A	100.0	122.2	0.2201406	0.2689407		22.2	20 *
Chlorobenzene	A	100.0	101.3	1.46879	1.488324	0.3	1.3	20
Chloroethane	A	100.0	106.7	0.1477522	0.1577157		6.7	20
Chloroform	A	100.0	103.6	0.4138944	0.4288906		3.6	20
Chloromethane	A	100.0	87.94	0.2843574	0.2500533	0.1	-12.1	20
2-Chlorotoluene	A	100.0	105.2	2.089316	2.197847		5.2	20
4-Chlorotoluene	A	100.0	105.4	2.383943	2.513962		5.5	20
Dibromochloromethane	Q	100.0	104.4	0.4682909	0.5769061		4.4	20
1,2-Dibromo-3-chloropropane	Q	100.0	103.8	0.1119305	0.1442395		3.8	20
1,2-Dibromoethane (EDB)	A	100.0	104.5	0.5515188	0.5763621		4.5	20
Dibromomethane	A	100.0	104.1	0.159759	0.1663555		4.1	20
1,2-Dichlorobenzene	A	100.0	103.7	1.203659	1.248172		3.7	20
1,3-Dichlorobenzene	A	100.0	103.3	1.256964	1.298301		3.3	20
1,4-Dichlorobenzene	A	100.0	103.2	1.26803	1.308703		3.2	20
Dichlorodifluoromethane	A	100.0	117.9	0.1924809	0.2269376		17.9	20
1,1-Dichloroethane	A	100.0	107.1	0.4594785	0.4921168	0.1	7.1	20
1,2-Dichloroethane	A	100.0	106.9	0.3510167	0.3752297		6.9	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	0510CCV1.D	Calibration Date:	04/27/12 09:57
Sequence:	2E13201	Injection Date:	05/10/12
Lab Sample ID:	2E13201-CCV1	Injection Time:	07:34

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	102.5	0.1816551	0.1862555		2.5	20
cis-1,2-Dichloroethene	A	100.0	102.4	0.2461851	0.2520631		2.4	20
trans-1,2-Dichloroethene	A	100.0	104.7	0.2335685	0.2446386		4.7	20
1,2-Dichloropropane	A	100.0	106.5	0.259293	0.2762401		6.5	20
1,3-Dichloropropane	A	100.0	102.6	0.8986729	0.922195		2.6	20
2,2-Dichloropropane	A	100.0	117.6	0.2935838	0.3453261		17.6	20
1,1-Dichloropropene	A	100.0	106.7	0.319009	0.3404294		6.7	20
cis-1,3-Dichloropropene	A	100.0	113.2	0.3521134	0.3984409		13.2	20
trans-1,3-Dichloropropene	A	100.0	114.8	0.8239793	0.9463627		14.9	20
Ethylbenzene	A	100.0	103.7	2.511121	2.604029		3.7	20
Hexachlorobutadiene	A	100.0	97.36	0.2973976	0.2895352		-2.6	20
2-Hexanone	A	200.0	186.7	0.4846361	0.4523182		-6.7	20
Isopropylbenzene	A	100.0	103.1	2.072041	2.136646		3.1	20
p-Isopropyltoluene	A	100.0	106.6	2.123426	2.264373		6.6	20
Methylene chloride	A	100.0	98.34	0.2190071	0.2153703		-1.7	20
Naphthalene	A	100.0	106.3	1.40191	1.489676		6.3	20
4-Methyl-2-pentanone	A	200.0	192.2	0.2742899	0.2636643		-3.9	20
Methyl t-Butyl Ether	A	100.0	107.3	0.6034362	0.6475695		7.3	20
n-Propylbenzene	A	100.0	107.0	3.366424	3.601377		7.0	20
Styrene	A	100.0	105.3	1.582432	1.666523		5.3	20
1,1,2,2-Tetrachloroethane	A	100.0	106.1	0.8277083	0.8785341	0.3	6.1	20
1,1,1,2-Tetrachloroethane	A	100.0	115.0	0.4212623	0.4846457		15.0	20
Tetrachloroethene	A	100.0	100.5	0.5209978	0.523731		0.5	20
Toluene	A	100.0	100.9	1.306882	1.318179		0.9	20
1,2,3-Trichlorobenzene	A	100.0	101.8	0.6431937	0.6549827		1.8	20
1,2,4-Trichlorobenzene	A	100.0	104.0	0.7381814	0.7679047		4.0	20
1,1,2-Trichloroethane	A	100.0	102.6	0.4426374	0.4543549		2.6	20
1,1,1-Trichloroethane	A	100.0	113.5	0.2930192	0.3326425		13.5	20
Trichloroethene	A	100.0	106.3	0.2340808	0.2487981		6.3	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	0510CCV1.D	Calibration Date:	04/27/12 09:57
Sequence:	2E13201	Injection Date:	05/10/12
Lab Sample ID:	2E13201-CCV1	Injection Time:	07:34

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	108.9	0.3110129	0.3386468		8.9	20
1,2,3-Trichloropropane	A	100.0	105.8	0.1727305	0.1826687		5.8	20
1,3,5-Trimethylbenzene	A	100.0	106.9	2.198041	2.350561		6.9	20
1,2,4-Trimethylbenzene	A	100.0	107.7	2.208168	2.378911		7.7	20
Vinyl chloride	A	100.0	109.9	0.1848242	0.2031029		9.9	20
Xylenes (total)	A	300.0	304.6	1.916445	1.945741		1.5	20
Bromofluorobenzene	A	30.00	30.57	0.8581783	0.8744202		1.9	20
Dibromofluoromethane	A	30.00	31.17	0.2631144	0.2733491		3.9	20
1,2-Dichloroethane-d4	A	30.00	31.29	6.156409E-02	0.0642041		4.3	20
Toluene-d8	A	30.00	31.18	2.250463	2.33897		3.9	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	0511CCV1.D	Calibration Date:	04/27/12 09:57
Sequence:	2E13504	Injection Date:	05/11/12
Lab Sample ID:	2E13504-CCV1	Injection Time:	06:58

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	182.4	8.548666E-02	7.794248E-02		-8.8	20
Benzene	A	100.0	104.9	0.9315107	0.9769404		4.9	20
Bromobenzene	A	100.0	103.9	0.7087812	0.7361318		3.9	20
Bromochloromethane	A	100.0	105.1	0.1195172	0.1255703		5.1	20
Bromodichloromethane	A	100.0	115.7	0.2918713	0.3376353		15.7	20
Bromoform	Q	100.0	106.0	0.2807903	0.3727862	0.1	6.0	20
Bromomethane	A	100.0	85.54	0.1508425	0.1290381		-14.5	20
n-Butylbenzene	A	100.0	113.0	1.996493	2.257072		13.1	20
2-Butanone	A	200.0	204.1	0.1504013	0.1534641		2.0	20
sec-Butylbenzene	A	100.0	109.2	2.683693	2.93083		9.2	20
tert-Butylbenzene	A	100.0	108.6	1.962219	2.130621		8.6	20
Carbon disulfide	A	100.0	109.5	0.549092	0.6014406		9.5	20
Carbon tetrachloride	A	100.0	124.3	0.2201406	0.2736353		24.3	20 *
Chlorobenzene	A	100.0	102.6	1.46879	1.507241	0.3	2.6	20
Chloroethane	A	100.0	95.72	0.1477522	0.1414353		-4.3	20
Chloroform	A	100.0	105.4	0.4138944	0.4362816		5.4	20
Chloromethane	A	100.0	84.95	0.2843574	0.2415552	0.1	-15.1	20
2-Chlorotoluene	A	100.0	105.8	2.089316	2.210629		5.8	20
4-Chlorotoluene	A	100.0	107.4	2.383943	2.561598		7.5	20
Dibromochloromethane	Q	100.0	105.8	0.4682909	0.5853368		5.8	20
1,2-Dibromo-3-chloropropane	Q	100.0	106.9	0.1119305	0.1489598		6.9	20
1,2-Dibromoethane (EDB)	A	100.0	107.7	0.5515188	0.5940624		7.7	20
Dibromomethane	A	100.0	106.8	0.159759	0.1705545		6.8	20
1,2-Dichlorobenzene	A	100.0	104.2	1.203659	1.254291		4.2	20
1,3-Dichlorobenzene	A	100.0	103.3	1.256964	1.298207		3.3	20
1,4-Dichlorobenzene	A	100.0	103.2	1.26803	1.309275		3.3	20
Dichlorodifluoromethane	A	100.0	118.9	0.1924809	0.2289089		18.9	20
1,1-Dichloroethane	A	100.0	107.0	0.4594785	0.4916063	0.1	7.0	20
1,2-Dichloroethane	A	100.0	109.1	0.3510167	0.3830061		9.1	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	0511CCV1.D	Calibration Date:	04/27/12 09:57
Sequence:	2E13504	Injection Date:	05/11/12
Lab Sample ID:	2E13504-CCV1	Injection Time:	06:58

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	99.90	0.1816551	0.1814782		-0.1	20
cis-1,2-Dichloroethene	A	100.0	103.3	0.2461851	0.2543347		3.3	20
trans-1,2-Dichloroethene	A	100.0	103.9	0.2335685	0.2426499		3.9	20
1,2-Dichloropropane	A	100.0	107.6	0.259293	0.2789781		7.6	20
1,3-Dichloropropane	A	100.0	105.4	0.8986729	0.9474392		5.4	20
2,2-Dichloropropane	A	100.0	119.9	0.2935838	0.3519834		19.9	20
1,1-Dichloropropene	A	100.0	107.5	0.319009	0.3428033		7.5	20
cis-1,3-Dichloropropene	A	100.0	113.4	0.3521134	0.3993341		13.4	20
trans-1,3-Dichloropropene	A	100.0	116.6	0.8239793	0.9606872		16.6	20
Ethylbenzene	A	100.0	104.6	2.511121	2.626803		4.6	20
Hexachlorobutadiene	A	100.0	116.9	0.2973976	0.3475762		16.9	20
2-Hexanone	A	200.0	223.7	0.4846361	0.5420176		11.8	20
Isopropylbenzene	A	100.0	105.4	2.072041	2.183291		5.4	20
p-Isopropyltoluene	A	100.0	109.5	2.123426	2.325288		9.5	20
Methylene chloride	A	100.0	92.62	0.2190071	0.2028387		-7.4	20
Naphthalene	A	100.0	109.7	1.40191	1.538202		9.7	20
4-Methyl-2-pentanone	A	200.0	227.6	0.2742899	0.3122136		13.8	20
Methyl t-Butyl Ether	A	100.0	106.8	0.6034362	0.6441741		6.8	20
n-Propylbenzene	A	100.0	109.0	3.366424	3.670015		9.0	20
Styrene	A	100.0	105.3	1.582432	1.666668		5.3	20
1,1,2,2-Tetrachloroethane	A	100.0	106.9	0.8277083	0.8848166	0.3	6.9	20
1,1,1,2-Tetrachloroethane	A	100.0	116.0	0.4212623	0.4888774		16.1	20
Tetrachloroethene	A	100.0	102.4	0.5209978	0.5336627		2.4	20
Toluene	A	100.0	101.0	1.306882	1.320103		1.0	20
1,2,3-Trichlorobenzene	A	100.0	105.7	0.6431937	0.6795711		5.7	20
1,2,4-Trichlorobenzene	A	100.0	106.5	0.7381814	0.7860399		6.5	20
1,1,2-Trichloroethane	A	100.0	104.4	0.4426374	0.4619204		4.4	20
1,1,1-Trichloroethane	A	100.0	115.4	0.2930192	0.3381393		15.4	20
Trichloroethene	A	100.0	108.5	0.2340808	0.2538834		8.5	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	0511CCV1.D	Calibration Date:	04/27/12 09:57
Sequence:	2E13504	Injection Date:	05/11/12
Lab Sample ID:	2E13504-CCV1	Injection Time:	06:58

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	109.1	0.3110129	0.3392872		9.1	20
1,2,3-Trichloropropane	A	100.0	109.0	0.1727305	0.1882017		9.0	20
1,3,5-Trimethylbenzene	A	100.0	108.0	2.198041	2.374775		8.0	20
1,2,4-Trimethylbenzene	A	100.0	109.0	2.208168	2.406141		9.0	20
Vinyl chloride	A	100.0	106.0	0.1848242	0.1959382		6.0	20
Xylenes (total)	A	300.0	310.4	1.916445	1.982653		3.5	20
Bromofluorobenzene	A	30.00	31.87	0.8581783	0.9115361		6.2	20
Dibromofluoromethane	A	30.00	31.30	0.2631144	0.2745484		4.3	20
1,2-Dichloroethane-d4	A	30.00	31.38	6.156409E-02	0.0643925		4.6	20
Toluene-d8	A	30.00	31.59	2.250463	2.36956		5.3	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	0514CCV1.D	Calibration Date:	04/27/12 09:57
Sequence:	2E13604	Injection Date:	05/14/12
Lab Sample ID:	2E13604-CCV1	Injection Time:	09:35

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	200.0	174.3	8.548666E-02	7.451928E-02		-12.8	20	
Benzene	A	100.0	103.4	0.9315107	0.9636056		3.4	20	
Bromobenzene	A	100.0	103.0	0.7087812	0.7296869		2.9	20	
Bromochloromethane	A	100.0	107.6	0.1195172	0.1286613		7.7	20	
Bromodichloromethane	A	100.0	117.8	0.2918713	0.3439144		17.8	20	
Bromoform	Q	100.0	111.0	0.2807903	0.3926459	0.1	11.0	20	
Bromomethane	A	100.0	79.97	0.1508425	0.1206331		-20.0	20	
n-Butylbenzene	A	100.0	105.5	1.996493	2.106282		5.5	20	
2-Butanone	A	200.0	196.0	0.1504013	0.1473646		-2.0	20	
sec-Butylbenzene	A	100.0	105.3	2.683693	2.826636		5.3	20	
tert-Butylbenzene	A	100.0	107.1	1.962219	2.101673		7.1	20	
Carbon disulfide	A	100.0	98.56	0.549092	0.5412012		-1.4	20	
Carbon tetrachloride	A	100.0	130.2	0.2201406	0.2865969		30.2	20	*
Chlorobenzene	A	100.0	102.3	1.46879	1.502958	0.3	2.3	20	
Chloroethane	A	100.0	99.07	0.1477522	0.1463828		-0.9	20	
Chloroform	A	100.0	105.4	0.4138944	0.436342		5.4	20	
Chloromethane	A	100.0	78.32	0.2843574	0.2227167	0.1	-21.7	20	*
2-Chlorotoluene	A	100.0	103.7	2.089316	2.165685		3.7	20	
4-Chlorotoluene	A	100.0	104.2	2.383943	2.483562		4.2	20	
Dibromochloromethane	Q	100.0	108.3	0.4682909	0.6002177		8.3	20	
1,2-Dibromo-3-chloropropane	Q	100.0	109.3	0.1119305	0.1525915		9.3	20	
1,2-Dibromoethane (EDB)	A	100.0	107.4	0.5515188	0.5922478		7.4	20	
Dibromomethane	A	100.0	107.7	0.159759	0.1721261		7.7	20	
1,2-Dichlorobenzene	A	100.0	103.6	1.203659	1.247098		3.6	20	
1,3-Dichlorobenzene	A	100.0	103.0	1.256964	1.294536		3.0	20	
1,4-Dichlorobenzene	A	100.0	102.9	1.26803	1.304337		2.9	20	
Dichlorodifluoromethane	A	100.0	116.3	0.1924809	0.2238003		16.3	20	
1,1-Dichloroethane	A	100.0	104.9	0.4594785	0.482028	0.1	4.9	20	
1,2-Dichloroethane	A	100.0	111.2	0.3510167	0.3904252		11.2	20	

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	0514CCV1.D	Calibration Date:	04/27/12 09:57
Sequence:	2E13604	Injection Date:	05/14/12
Lab Sample ID:	2E13604-CCV1	Injection Time:	09:35

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	104.0	0.1816551	0.1889565		4.0	20
cis-1,2-Dichloroethene	A	100.0	101.3	0.2461851	0.2494524		1.3	20
trans-1,2-Dichloroethene	A	100.0	101.9	0.2335685	0.2379311		1.9	20
1,2-Dichloropropane	A	100.0	104.8	0.259293	0.2718289		4.8	20
1,3-Dichloropropane	A	100.0	101.7	0.8986729	0.9142102		1.7	20
2,2-Dichloropropane	A	100.0	122.3	0.2935838	0.3591049		22.3	20 *
1,1-Dichloropropene	A	100.0	107.3	0.319009	0.3422608		7.3	20
cis-1,3-Dichloropropene	A	100.0	114.4	0.3521134	0.4026409		14.3	20
trans-1,3-Dichloropropene	A	100.0	115.5	0.8239793	0.9516599		15.5	20
Ethylbenzene	A	100.0	103.4	2.511121	2.597053		3.4	20
Hexachlorobutadiene	A	100.0	102.5	0.2973976	0.3047357		2.5	20
2-Hexanone	A	200.0	214.8	0.4846361	0.5205404		7.4	20
Isopropylbenzene	A	100.0	106.0	2.072041	2.19562		6.0	20
p-Isopropyltoluene	A	100.0	107.5	2.123426	2.282823		7.5	20
Methylene chloride	A	100.0	87.62	0.2190071	0.1919041		-12.4	20
Naphthalene	A	100.0	101.1	1.40191	1.416788		1.1	20
4-Methyl-2-pentanone	A	200.0	220.1	0.2742899	0.3018819		10.1	20
Methyl t-Butyl Ether	A	100.0	108.6	0.6034362	0.6551659		8.6	20
n-Propylbenzene	A	100.0	105.5	3.366424	3.55133		5.5	20
Styrene	A	100.0	104.7	1.582432	1.656264		4.7	20
1,1,2,2-Tetrachloroethane	A	100.0	102.9	0.8277083	0.8518475	0.3	2.9	20
1,1,1,2-Tetrachloroethane	A	100.0	118.6	0.4212623	0.4997895		18.6	20
Tetrachloroethene	A	100.0	102.9	0.5209978	0.536251		2.9	20
Toluene	A	100.0	97.87	1.306882	1.279068		-2.1	20
1,2,3-Trichlorobenzene	A	100.0	99.89	0.6431937	0.6424753		-0.1	20
1,2,4-Trichlorobenzene	A	100.0	102.0	0.7381814	0.7527624		2.0	20
1,1,2-Trichloroethane	A	100.0	102.6	0.4426374	0.4543268		2.6	20
1,1,1-Trichloroethane	A	100.0	119.1	0.2930192	0.3490243		19.1	20
Trichloroethene	A	100.0	108.2	0.2340808	0.2532146		8.2	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	0514CCV1.D	Calibration Date:	04/27/12 09:57
Sequence:	2E13604	Injection Date:	05/14/12
Lab Sample ID:	2E13604-CCV1	Injection Time:	09:35

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	110.4	0.3110129	0.3434973		10.4	20
1,2,3-Trichloropropane	A	100.0	111.9	0.1727305	0.1932688		11.9	20
1,3,5-Trimethylbenzene	A	100.0	106.4	2.198041	2.338989		6.4	20
1,2,4-Trimethylbenzene	A	100.0	107.3	2.208168	2.369414		7.3	20
Vinyl chloride	A	100.0	103.8	0.1848242	0.1919487		3.9	20
Xylenes (total)	A	300.0	306.6	1.916445	1.958833		2.2	20
Bromofluorobenzene	A	30.00	31.64	0.8581783	0.9049692		5.5	20
Dibromofluoromethane	A	30.00	31.87	0.2631144	0.2795209		6.2	20
1,2-Dichloroethane-d4	A	30.00	31.69	6.156409E-02	6.503611E-02		5.6	20
Toluene-d8	A	30.00	30.90	2.250463	2.318141		3.0	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	0515CCV1.D	Calibration Date:	04/27/12 09:57
Sequence:	2E13704	Injection Date:	05/15/12
Lab Sample ID:	2E13704-CCV1	Injection Time:	09:31

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	200.0	173.5	8.548666E-02	0.0741704		-13.2	20	
Benzene	A	100.0	105.0	0.9315107	0.9783991		5.0	20	
Bromobenzene	A	100.0	102.5	0.7087812	0.7265875		2.5	20	
Bromochloromethane	A	100.0	107.4	0.1195172	0.12836		7.4	20	
Bromodichloromethane	A	100.0	116.6	0.2918713	0.3401789		16.6	20	
Bromoform	Q	100.0	102.7	0.2807903	0.3597705	0.1	2.7	20	
Bromomethane	A	100.0	72.28	0.1508425	0.1090232		-27.7	20	*
n-Butylbenzene	A	100.0	104.1	1.996493	2.077985		4.1	20	
2-Butanone	A	200.0	193.1	0.1504013	0.1452343		-3.4	20	
sec-Butylbenzene	A	100.0	103.5	2.683693	2.776937		3.5	20	
tert-Butylbenzene	A	100.0	104.6	1.962219	2.053412		4.6	20	
Carbon disulfide	A	100.0	107.5	0.549092	0.5903095		7.5	20	
Carbon tetrachloride	A	100.0	127.4	0.2201406	0.2804802		27.4	20	*
Chlorobenzene	A	100.0	99.84	1.46879	1.466463	0.3	-0.2	20	
Chloroethane	A	100.0	95.64	0.1477522	0.1413103		-4.4	20	
Chloroform	A	100.0	105.6	0.4138944	0.436995		5.6	20	
Chloromethane	A	100.0	76.63	0.2843574	0.2179173	0.1	-23.4	20	*
2-Chlorotoluene	A	100.0	103.2	2.089316	2.155866		3.2	20	
4-Chlorotoluene	A	100.0	103.4	2.383943	2.466262		3.5	20	
Dibromochloromethane	Q	100.0	103.8	0.4682909	0.572839		3.8	20	
1,2-Dibromo-3-chloropropane	Q	100.0	99.51	0.1119305	0.1378182		-0.5	20	
1,2-Dibromoethane (EDB)	A	100.0	101.6	0.5515188	0.5604763		1.6	20	
Dibromomethane	A	100.0	107.1	0.159759	0.1710694		7.1	20	
1,2-Dichlorobenzene	A	100.0	102.3	1.203659	1.231306		2.3	20	
1,3-Dichlorobenzene	A	100.0	101.3	1.256964	1.273484		1.3	20	
1,4-Dichlorobenzene	A	100.0	101.3	1.26803	1.285006		1.3	20	
Dichlorodifluoromethane	A	100.0	118.0	0.1924809	0.2271709		18.0	20	
1,1-Dichloroethane	A	100.0	106.1	0.4594785	0.4875851	0.1	6.1	20	
1,2-Dichloroethane	A	100.0	109.2	0.3510167	0.3832313		9.2	20	

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	0515CCV1.D	Calibration Date:	04/27/12 09:57
Sequence:	2E13704	Injection Date:	05/15/12
Lab Sample ID:	2E13704-CCV1	Injection Time:	09:31

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	108.2	0.1816551	0.1964589		8.1	20
cis-1,2-Dichloroethene	A	100.0	102.8	0.2461851	0.253158		2.8	20
trans-1,2-Dichloroethene	A	100.0	105.8	0.2335685	0.2472403		5.9	20
1,2-Dichloropropane	A	100.0	105.9	0.259293	0.2746264		5.9	20
1,3-Dichloropropane	A	100.0	99.44	0.8986729	0.8936205		-0.6	20
2,2-Dichloropropane	A	100.0	120.5	0.2935838	0.3537229		20.5	20 *
1,1-Dichloropropene	A	100.0	107.6	0.319009	0.3430901		7.5	20
cis-1,3-Dichloropropene	A	100.0	113.8	0.3521134	0.4007012		13.8	20
trans-1,3-Dichloropropene	A	100.0	111.1	0.8239793	0.9153546		11.1	20
Ethylbenzene	A	100.0	101.1	2.511121	2.537703		1.1	20
Hexachlorobutadiene	A	100.0	100.0	0.2973976	0.2973842		-0.005	20
2-Hexanone	A	200.0	201.9	0.4846361	0.4893053		1.0	20
Isopropylbenzene	A	100.0	104.1	2.072041	2.156552		4.1	20
p-Isopropyltoluene	A	100.0	105.3	2.123426	2.236142		5.3	20
Methylene chloride	A	100.0	96.60	0.2190071	0.2115568		-3.4	20
Naphthalene	A	100.0	96.93	1.40191	1.35889		-3.1	20
4-Methyl-2-pentanone	A	200.0	213.8	0.2742899	0.2931682		6.9	20
Methyl t-Butyl Ether	A	100.0	101.9	0.6034362	0.6151162		1.9	20
n-Propylbenzene	A	100.0	104.9	3.366424	3.530316		4.9	20
Styrene	A	100.0	102.4	1.582432	1.621245		2.5	20
1,1,2,2-Tetrachloroethane	A	100.0	97.21	0.8277083	0.8046116	0.3	-2.8	20
1,1,1,2-Tetrachloroethane	A	100.0	114.9	0.4212623	0.4838511		14.9	20
Tetrachloroethene	A	100.0	101.0	0.5209978	0.5263654		1.0	20
Toluene	A	100.0	97.40	1.306882	1.272959		-2.6	20
1,2,3-Trichlorobenzene	A	100.0	95.99	0.6431937	0.6173707		-4.0	20
1,2,4-Trichlorobenzene	A	100.0	99.27	0.7381814	0.7328255		-0.7	20
1,1,2-Trichloroethane	A	100.0	99.20	0.4426374	0.4390948		-0.8	20
1,1,1-Trichloroethane	A	100.0	117.5	0.2930192	0.3442785		17.5	20
Trichloroethene	A	100.0	108.7	0.2340808	0.2544188		8.7	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	0515CCV1.D	Calibration Date:	04/27/12 09:57
Sequence:	2E13704	Injection Date:	05/15/12
Lab Sample ID:	2E13704-CCV1	Injection Time:	09:31

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	109.9	0.3110129	0.3418773		9.9	20
1,2,3-Trichloropropane	A	100.0	102.8	0.1727305	0.177643		2.8	20
1,3,5-Trimethylbenzene	A	100.0	105.9	2.198041	2.32773		5.9	20
1,2,4-Trimethylbenzene	A	100.0	105.5	2.208168	2.33052		5.5	20
Vinyl chloride	A	100.0	105.7	0.1848242	0.1954093		5.7	20
Xylenes (total)	A	300.0	299.4	1.916445	1.912791		-0.2	20
Bromofluorobenzene	A	30.00	31.75	0.8581783	0.9081529		5.8	20
Dibromofluoromethane	A	30.00	31.96	0.2631144	0.2803247		6.5	20
1,2-Dichloroethane-d4	A	30.00	31.22	6.156409E-02	6.405885E-02		4.1	20
Toluene-d8	A	30.00	30.52	2.250463	2.289799		1.7	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	0517CCV1.D	Calibration Date:	04/27/12 09:57
Sequence:	2E13906	Injection Date:	05/17/12
Lab Sample ID:	2E13906-CCV1	Injection Time:	09:41

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	182.6	8.548666E-02	7.805973E-02		-8.7	20
Benzene	A	100.0	104.3	0.9315107	0.9717997		4.3	20
Bromobenzene	A	100.0	104.3	0.7087812	0.7394643		4.3	20
Bromochloromethane	A	100.0	107.0	0.1195172	0.1278558		7.0	20
Bromodichloromethane	A	100.0	117.4	0.2918713	0.3425095		17.3	20
Bromoform	Q	100.0	108.9	0.2807903	0.3840988	0.1	8.9	20
Bromomethane	A	100.0	78.38	0.1508425	0.1182316		-21.6	20 *
n-Butylbenzene	A	100.0	106.7	1.996493	2.130691		6.7	20
2-Butanone	A	200.0	190.9	0.1504013	0.1435911		-4.5	20
sec-Butylbenzene	A	100.0	105.8	2.683693	2.837983		5.7	20
tert-Butylbenzene	A	100.0	108.0	1.962219	2.120066		8.0	20
Carbon disulfide	A	100.0	104.7	0.549092	0.5749823		4.7	20
Carbon tetrachloride	A	100.0	127.0	0.2201406	0.279678		27.0	20 *
Chlorobenzene	A	100.0	102.8	1.46879	1.509637	0.3	2.8	20
Chloroethane	A	100.0	98.93	0.1477522	0.1461729		-1.1	20
Chloroform	A	100.0	106.0	0.4138944	0.438852		6.0	20
Chloromethane	A	100.0	84.53	0.2843574	0.2403567	0.1	-15.5	20
2-Chlorotoluene	A	100.0	104.5	2.089316	2.183263		4.5	20
4-Chlorotoluene	A	100.0	105.0	2.383943	2.503369		5.0	20
Dibromochloromethane	Q	100.0	106.7	0.4682909	0.5908055		6.7	20
1,2-Dibromo-3-chloropropane	Q	100.0	106.4	0.1119305	0.1481653		6.4	20
1,2-Dibromoethane (EDB)	A	100.0	106.5	0.5515188	0.5874899		6.5	20
Dibromomethane	A	100.0	107.1	0.159759	0.1711237		7.1	20
1,2-Dichlorobenzene	A	100.0	105.1	1.203659	1.265232		5.1	20
1,3-Dichlorobenzene	A	100.0	104.9	1.256964	1.318349		4.9	20
1,4-Dichlorobenzene	A	100.0	103.8	1.26803	1.31672		3.8	20
Dichlorodifluoromethane	A	100.0	113.3	0.1924809	0.2180666		13.3	20
1,1-Dichloroethane	A	100.0	105.6	0.4594785	0.4853911	0.1	5.6	20
1,2-Dichloroethane	A	100.0	109.7	0.3510167	0.3851224		9.7	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	0517CCV1.D	Calibration Date:	04/27/12 09:57
Sequence:	2E13906	Injection Date:	05/17/12
Lab Sample ID:	2E13906-CCV1	Injection Time:	09:41

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	102.0	0.1816551	0.1853205		2.0	20
cis-1,2-Dichloroethene	A	100.0	101.7	0.2461851	0.2504589		1.7	20
trans-1,2-Dichloroethene	A	100.0	101.8	0.2335685	0.2377016		1.8	20
1,2-Dichloropropane	A	100.0	105.4	0.259293	0.2733325		5.4	20
1,3-Dichloropropane	A	100.0	103.2	0.8986729	0.9274157		3.2	20
2,2-Dichloropropane	A	100.0	119.0	0.2935838	0.3494514		19.0	20
1,1-Dichloropropene	A	100.0	105.2	0.319009	0.3357651		5.3	20
cis-1,3-Dichloropropene	A	100.0	113.4	0.3521134	0.3993313		13.4	20
trans-1,3-Dichloropropene	A	100.0	115.3	0.8239793	0.9502596		15.3	20
Ethylbenzene	A	100.0	103.6	2.511121	2.600178		3.5	20
Hexachlorobutadiene	A	100.0	101.6	0.2973976	0.3021206		1.6	20
2-Hexanone	A	200.0	211.1	0.4846361	0.5114611		5.5	20
Isopropylbenzene	A	100.0	105.8	2.072041	2.191685		5.8	20
p-Isopropyltoluene	A	100.0	108.0	2.123426	2.293879		8.0	20
Methylene chloride	A	100.0	94.54	0.2190071	0.20705		-5.5	20
Naphthalene	A	100.0	102.6	1.40191	1.439079		2.7	20
4-Methyl-2-pentanone	A	200.0	217.6	0.2742899	0.2983663		8.8	20
Methyl t-Butyl Ether	A	100.0	106.3	0.6034362	0.6416642		6.3	20
n-Propylbenzene	A	100.0	106.2	3.366424	3.573906		6.2	20
Styrene	A	100.0	104.7	1.582432	1.656146		4.7	20
1,1,2,2-Tetrachloroethane	A	100.0	101.6	0.8277083	0.8406975	0.3	1.6	20
1,1,1,2-Tetrachloroethane	A	100.0	119.2	0.4212623	0.5019389		19.2	20
Tetrachloroethene	A	100.0	101.7	0.5209978	0.5300134		1.7	20
Toluene	A	100.0	99.36	1.306882	1.29858		-0.6	20
1,2,3-Trichlorobenzene	A	100.0	99.89	0.6431937	0.6424935		-0.1	20
1,2,4-Trichlorobenzene	A	100.0	103.1	0.7381814	0.7613892		3.1	20
1,1,2-Trichloroethane	A	100.0	101.5	0.4426374	0.4494171		1.5	20
1,1,1-Trichloroethane	A	100.0	117.1	0.2930192	0.3430868		17.1	20
Trichloroethene	A	100.0	107.9	0.2340808	0.2525145		7.9	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	0517CCV1.D	Calibration Date:	04/27/12 09:57
Sequence:	2E13906	Injection Date:	05/17/12
Lab Sample ID:	2E13906-CCV1	Injection Time:	09:41

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	103.1	0.3110129	0.3207665		3.1	20
1,2,3-Trichloropropane	A	100.0	108.2	0.1727305	0.1869092		8.2	20
1,3,5-Trimethylbenzene	A	100.0	106.5	2.198041	2.341036		6.5	20
1,2,4-Trimethylbenzene	A	100.0	107.8	2.208168	2.380658		7.8	20
Vinyl chloride	A	100.0	107.6	0.1848242	0.1988521		7.6	20
Xylenes (total)	A	300.0	308.2	1.916445	1.968487		2.7	20
Bromofluorobenzene	A	30.00	31.64	0.8581783	0.9049529		5.5	20
Dibromofluoromethane	A	30.00	31.69	0.2631144	0.2779771		5.6	20
1,2-Dichloroethane-d4	A	30.00	31.13	6.156409E-02	6.387689E-02		3.8	20
Toluene-d8	A	30.00	31.07	2.250463	2.330983		3.6	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 2E10007-BLK1 File ID: 0510BL1.D

Sampled: Prepared: Analyzed: 05/10/12 09:29

Solids: Preparation: 5030B Dilution:

Batch: 2E10007 Sequence: 2E13201 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	Y, U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	X, U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_053
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2E10007-BLK1
File ID: 0510BL1.D
Sampled:
Prepared:
Analyzed: 05/10/12 09:29
Solids:
Preparation: 5030B
Dilution:
Batch: 2E10007
Sequence: 2E13201
Calibration: 2121003
Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.75	102	75 - 120	
Dibromofluoromethane	30.00	30.82	103	85 - 115	
1,2-Dichloroethane-d4	30.00	31.43	105	70 - 120	
Toluene-d8	30.00	30.35	101	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 2E10007-BS1 File ID: 0510LCS1.D

Sampled: Prepared: Analyzed: 05/10/12 08:08

Solids: Preparation: 5030B Dilution:

Batch: 2E10007 Sequence: 2E13201 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	90.6	2.50	5.00	10.0	Y
71-43-2	Benzene	48.5	0.250	0.500	1.00	
108-86-1	Bromobenzene	46.9	0.250	0.500	1.00	
74-97-5	Bromochloromethane	47.5	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	49.0	0.250	0.500	1.00	
75-25-2	Bromoform	48.2	0.250	0.500	1.00	
74-83-9	Bromomethane	36.2	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	50.5	0.250	0.500	1.00	
78-93-3	2-Butanone	105	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	49.0	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	49.0	0.250	0.500	1.00	
75-15-0	Carbon disulfide	44.1	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	55.0	0.250	0.500	1.00	X
108-90-7	Chlorobenzene	46.2	0.250	0.500	1.00	
75-00-3	Chloroethane	50.7	0.500	1.00	2.00	
67-66-3	Chloroform	47.1	0.250	0.500	1.00	
74-87-3	Chloromethane	37.0	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	47.7	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	47.6	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	47.5	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	47.9	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	47.4	0.250	0.500	1.00	
74-95-3	Dibromomethane	46.9	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	46.1	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	46.6	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	47.7	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	56.6	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	48.8	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	47.9	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	46.0	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	47.7	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	48.6	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	49.2	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	48.2	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	53.7	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	50.0	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	53.5	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	47.8	0.250	0.500	1.00	
100-41-4	Ethylbenzene	48.4	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	48.6	0.250	0.500	2.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_053
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2E10007-BS1
File ID: 0510LCS1.D
Sampled:
Prepared:
Analyzed: 05/10/12 08:08
Solids:
Preparation: 5030B
Dilution:
Batch: 2E10007
Sequence: 2E13201
Calibration: 2121003
Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	110	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	45.5	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	47.2	0.250	0.500	1.00	
75-09-2	Methylene chloride	45.0	0.500	1.00	2.00	
91-20-3	Naphthalene	48.2	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	112	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	49.9	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	48.8	0.250	0.500	1.00	
100-42-5	Styrene	48.2	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	48.3	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	51.6	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	47.0	0.250	0.500	1.00	
108-88-3	Toluene	48.4	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	46.8	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	47.0	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	48.0	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	53.0	0.250	0.500	1.00	
79-01-6	Trichloroethene	48.9	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	51.6	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	48.4	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	50.9	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	50.4	0.250	0.500	1.00	
75-01-4	Vinyl chloride	53.6	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	143	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.20	104	75 - 120	
Dibromofluoromethane	30.00	30.98	103	85 - 115	
1,2-Dichloroethane-d4	30.00	31.59	105	70 - 120	
Toluene-d8	30.00	31.21	104	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 2E11004-BLK1 File ID: 0511BL1.D

Sampled: Prepared: Analyzed: 05/11/12 08:52

Solids: Preparation: 5030B Dilution:

Batch: 2E11004 Sequence: 2E13504 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	Q, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	X, U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 2E11004-BLK1 File ID: 0511BL1.D

Sampled: Prepared: Analyzed: 05/11/12 08:52

Solids: Preparation: 5030B Dilution:

Batch: 2E11004 Sequence: 2E13504 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.68	102	75 - 120	
Dibromofluoromethane	30.00	30.87	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.64	102	70 - 120	
Toluene-d8	30.00	30.26	101	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 2E11004-BS1 File ID: 0511LCS1.D

Sampled: Prepared: Analyzed: 05/11/12 07:32

Solids: Preparation: 5030B Dilution:

Batch: 2E11004 Sequence: 2E13504 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	90.3	2.50	5.00	10.0	
71-43-2	Benzene	50.9	0.250	0.500	1.00	
108-86-1	Bromobenzene	49.4	0.250	0.500	1.00	
74-97-5	Bromochloromethane	51.2	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	52.4	0.250	0.500	1.00	
75-25-2	Bromoform	50.1	0.250	0.500	1.00	
74-83-9	Bromomethane	39.8	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	53.3	0.250	0.500	1.00	
78-93-3	2-Butanone	99.4	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	52.0	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	51.7	0.250	0.500	1.00	
75-15-0	Carbon disulfide	45.9	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	57.7	0.250	0.500	1.00	X
108-90-7	Chlorobenzene	47.7	0.250	0.500	1.00	
75-00-3	Chloroethane	49.8	0.500	1.00	2.00	
67-66-3	Chloroform	50.6	0.250	0.500	1.00	
74-87-3	Chloromethane	40.0	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	50.5	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	49.7	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	49.6	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	52.0	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	50.3	0.250	0.500	1.00	
74-95-3	Dibromomethane	50.6	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	49.2	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	49.0	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	49.9	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	59.8	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	51.6	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	52.1	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	48.4	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	50.6	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	51.4	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	51.9	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	50.1	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	57.8	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	51.6	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	55.6	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	49.9	0.250	0.500	1.00	
100-41-4	Ethylbenzene	50.4	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	52.9	0.250	0.500	2.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_053
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2E11004-BS1
File ID: 0511LCS1.D
Sampled:
Prepared:
Analyzed: 05/11/12 07:32
Solids:
Preparation: 5030B
Dilution:
Batch: 2E11004
Sequence: 2E13504
Calibration: 2121003
Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	106	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	47.0	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	49.3	0.250	0.500	1.00	
75-09-2	Methylene chloride	46.5	0.500	1.00	2.00	
91-20-3	Naphthalene	50.2	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	107	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	53.1	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	51.7	0.250	0.500	1.00	
100-42-5	Styrene	49.6	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	50.8	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	54.1	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	48.3	0.250	0.500	1.00	
108-88-3	Toluene	49.7	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	49.8	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	50.3	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	50.5	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	55.6	0.250	0.500	1.00	
79-01-6	Trichloroethene	51.7	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	54.8	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	51.2	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	53.5	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	52.7	0.250	0.500	1.00	
75-01-4	Vinyl chloride	55.8	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	148	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.73	102	75 - 120	
Dibromofluoromethane	30.00	31.37	105	85 - 115	
1,2-Dichloroethane-d4	30.00	31.57	105	70 - 120	
Toluene-d8	30.00	31.01	103	85 - 120	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 2E11004-BSD1 File ID: 0511LCD1.D

Sampled: Prepared: Analyzed: 05/11/12 16:02

Solids: Preparation: 5030B Dilution:

Batch: 2E11004 Sequence: 2E13504 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	84.0	2.50	5.00	10.0	
71-43-2	Benzene	49.9	0.250	0.500	1.00	
108-86-1	Bromobenzene	48.1	0.250	0.500	1.00	
74-97-5	Bromochloromethane	49.4	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	50.4	0.250	0.500	1.00	
75-25-2	Bromoform	43.9	0.250	0.500	1.00	
74-83-9	Bromomethane	28.8	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	48.1	0.250	0.500	1.00	
78-93-3	2-Butanone	92.3	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	47.9	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	49.2	0.250	0.500	1.00	
75-15-0	Carbon disulfide	43.0	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	53.4	0.250	0.500	1.00	X
108-90-7	Chlorobenzene	45.9	0.250	0.500	1.00	
75-00-3	Chloroethane	51.6	0.500	1.00	2.00	
67-66-3	Chloroform	50.1	0.250	0.500	1.00	
74-87-3	Chloromethane	39.0	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	49.1	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	48.8	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	44.8	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	45.9	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	48.0	0.250	0.500	1.00	
74-95-3	Dibromomethane	49.9	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	47.4	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	47.1	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	47.5	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	57.5	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	50.1	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	52.1	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	45.9	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	48.6	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	49.3	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	51.2	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	48.3	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	49.1	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	50.6	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	53.2	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	45.7	0.250	0.500	1.00	
100-41-4	Ethylbenzene	47.9	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	40.0	0.250	0.500	2.00	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 2E11004-BSD1 File ID: 0511LCD1.D

Sampled: Prepared: Analyzed: 05/11/12 16:02

Solids: Preparation: 5030B Dilution:

Batch: 2E11004 Sequence: 2E13504 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	97.8	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	45.0	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	45.8	0.250	0.500	1.00	
75-09-2	Methylene chloride	45.6	0.500	1.00	2.00	
91-20-3	Naphthalene	42.7	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	105	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	49.5	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	48.8	0.250	0.500	1.00	
100-42-5	Styrene	48.1	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	48.3	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	50.0	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	45.0	0.250	0.500	1.00	
108-88-3	Toluene	48.0	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	41.8	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	43.0	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	48.5	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	53.6	0.250	0.500	1.00	
79-01-6	Trichloroethene	50.8	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	51.6	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	48.5	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	50.9	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	50.5	0.250	0.500	1.00	
75-01-4	Vinyl chloride	54.1	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	144	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.18	104	75 - 120	
Dibromofluoromethane	30.00	31.09	104	85 - 115	
1,2-Dichloroethane-d4	30.00	31.02	103	70 - 120	
Toluene-d8	30.00	30.03	100	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 2E14013-BLK1 File ID: 0514BL1.D

Sampled: Prepared: Analyzed: 05/14/12 11:30

Solids: Preparation: 5030B Dilution:

Batch: 2E14013 Sequence: 2E13604 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	X, U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	Y, U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	X, U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene	0.300	0.250	0.500	2.00	J

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_053

Client: Shaw E & I (I700) | Project: Kirtland AFB 2011

Matrix: | Laboratory ID: 2E14013-BLK1 | File ID: 0514BL1.D

Sampled: | Prepared: | Analyzed: 05/14/12 11:30

Solids: | Preparation: 5030B | Dilution:

Batch: 2E14013 | Sequence: 2E13604 | Calibration: 2121003 | Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.91	103	75 - 120	
Dibromofluoromethane	30.00	31.10	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.93	103	70 - 120	
Toluene-d8	30.00	30.13	100	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 2E14013-BS1 File ID: 0514LCS1.D

Sampled: Prepared: Analyzed: 05/14/12 10:09

Solids: Preparation: 5030B Dilution:

Batch: 2E14013 Sequence: 2E13604 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	83.2	2.50	5.00	10.0	
71-43-2	Benzene	49.5	0.250	0.500	1.00	
108-86-1	Bromobenzene	48.8	0.250	0.500	1.00	
74-97-5	Bromochloromethane	50.8	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	52.2	0.250	0.500	1.00	
75-25-2	Bromoform	52.2	0.250	0.500	1.00	
74-83-9	Bromomethane	35.1	0.500	1.00	2.00	U
104-51-8	n-Butylbenzene	50.4	0.250	0.500	1.00	
78-93-3	2-Butanone	89.7	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	49.7	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	49.9	0.250	0.500	1.00	
75-15-0	Carbon disulfide	45.0	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	60.3	0.250	0.500	1.00	X
108-90-7	Chlorobenzene	47.2	0.250	0.500	1.00	
75-00-3	Chloroethane	47.8	0.500	1.00	2.00	
67-66-3	Chloroform	49.4	0.250	0.500	1.00	
74-87-3	Chloromethane	37.3	0.250	0.500	1.00	Y
95-49-8	2-Chlorotoluene	48.6	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	48.3	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	50.3	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	51.4	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	49.7	0.250	0.500	1.00	
74-95-3	Dibromomethane	49.8	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	48.6	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	48.2	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	49.1	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	59.3	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	50.6	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	52.0	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	44.3	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	49.5	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	50.5	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	50.7	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	49.0	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	57.8	0.250	0.500	1.00	X
563-58-6	1,1-Dichloropropene	50.9	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	55.5	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	49.5	0.250	0.500	1.00	
100-41-4	Ethylbenzene	49.6	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	51.2	0.250	0.500	2.00	B

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 2E14013-BS1 File ID: 0514LCS1.D

Sampled: Prepared: Analyzed: 05/14/12 10:09

Solids: Preparation: 5030B Dilution:

Batch: 2E14013 Sequence: 2E13604 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	99.9	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	46.7	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	48.4	0.250	0.500	1.00	
75-09-2	Methylene chloride	46.2	0.500	1.00	2.00	
91-20-3	Naphthalene	48.7	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	102	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	53.3	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	49.0	0.250	0.500	1.00	
100-42-5	Styrene	49.0	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	47.9	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	55.2	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	48.3	0.250	0.500	1.00	
108-88-3	Toluene	48.6	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	48.1	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	48.5	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	49.3	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	56.4	0.250	0.500	1.00	
79-01-6	Trichloroethene	51.8	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	56.0	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	51.4	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	51.9	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	50.5	0.250	0.500	1.00	
75-01-4	Vinyl chloride	55.0	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	147	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.54	105	75 - 120	
Dibromofluoromethane	30.00	31.67	106	85 - 115	
1,2-Dichloroethane-d4	30.00	31.49	105	70 - 120	
Toluene-d8	30.00	30.53	102	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 2E15012-BLK1 File ID: 0515BL1.D

Sampled: Prepared: Analyzed: 05/15/12 11:26

Solids: Preparation: 5030B Dilution:

Batch: 2E15012 Sequence: 2E13704 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	Y, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	X, U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	Y, U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	X, U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene	0.270	0.250	0.500	2.00	J

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 2E15012-BLK1 File ID: 0515BL1.D

Sampled: Prepared: Analyzed: 05/15/12 11:26

Solids: Preparation: 5030B Dilution:

Batch: 2E15012 Sequence: 2E13704 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.85	103	75 - 120	
Dibromofluoromethane	30.00	30.98	103	85 - 115	
1,2-Dichloroethane-d4	30.00	31.30	104	70 - 120	
Toluene-d8	30.00	30.14	100	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 2E15012-BS1 File ID: 0515LCS1.D

Sampled: Prepared: Analyzed: 05/15/12 10:05

Solids: Preparation: 5030B Dilution:

Batch: 2E15012 Sequence: 2E13704 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	81.0	2.50	5.00	10.0	
71-43-2	Benzene	50.6	0.250	0.500	1.00	
108-86-1	Bromobenzene	49.8	0.250	0.500	1.00	
74-97-5	Bromochloromethane	51.5	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	52.6	0.250	0.500	1.00	
75-25-2	Bromoform	50.7	0.250	0.500	1.00	
74-83-9	Bromomethane	32.3	0.500	1.00	2.00	Y
104-51-8	n-Butylbenzene	50.8	0.250	0.500	1.00	
78-93-3	2-Butanone	91.8	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	50.6	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	51.3	0.250	0.500	1.00	
75-15-0	Carbon disulfide	44.4	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	58.6	0.250	0.500	1.00	X
108-90-7	Chlorobenzene	47.6	0.250	0.500	1.00	
75-00-3	Chloroethane	48.6	0.500	1.00	2.00	
67-66-3	Chloroform	50.3	0.250	0.500	1.00	
74-87-3	Chloromethane	34.2	0.250	0.500	1.00	Y
95-49-8	2-Chlorotoluene	49.7	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	49.4	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	49.8	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	50.8	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	50.0	0.250	0.500	1.00	
74-95-3	Dibromomethane	51.2	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	49.6	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	49.0	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	49.5	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	58.3	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	50.8	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	53.0	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	47.7	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	49.9	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	50.5	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	50.6	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	49.7	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	56.9	0.250	0.500	1.00	X
563-58-6	1,1-Dichloropropene	51.5	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	56.1	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	49.1	0.250	0.500	1.00	
100-41-4	Ethylbenzene	49.4	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	50.2	0.250	0.500	2.00	B

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 2E15012-BS1 File ID: 0515LCS1.D

Sampled: Prepared: Analyzed: 05/15/12 10:05

Solids: Preparation: 5030B Dilution:

Batch: 2E15012 Sequence: 2E13704 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	98.8	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	46.4	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	48.5	0.250	0.500	1.00	
75-09-2	Methylene chloride	46.5	0.500	1.00	2.00	
91-20-3	Naphthalene	50.1	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	103	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	52.6	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	49.6	0.250	0.500	1.00	
100-42-5	Styrene	49.9	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	49.0	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	54.8	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	48.0	0.250	0.500	1.00	
108-88-3	Toluene	48.5	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	49.5	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	49.8	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	50.0	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	55.4	0.250	0.500	1.00	
79-01-6	Trichloroethene	52.0	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	55.0	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	50.9	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	52.7	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	51.8	0.250	0.500	1.00	
75-01-4	Vinyl chloride	54.8	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	148	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.16	104	75 - 120	
Dibromofluoromethane	30.00	31.55	105	85 - 115	
1,2-Dichloroethane-d4	30.00	31.61	105	70 - 120	
Toluene-d8	30.00	30.45	102	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 2E17014-BLK1 File ID: 0517BL1.D

Sampled: Prepared: Analyzed: 05/17/12 11:36

Solids: Preparation: 5030B Dilution:

Batch: 2E17014 Sequence: 2E13906 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	Y, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	X, U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene	0.290	0.250	0.500	2.00	J

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 2E17014-BLK1 File ID: 0517BL1.D

Sampled: Prepared: Analyzed: 05/17/12 11:36

Solids: Preparation: 5030B Dilution:

Batch: 2E17014 Sequence: 2E13906 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.53	102	75 - 120	
Dibromofluoromethane	30.00	30.76	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.98	103	70 - 120	
Toluene-d8	30.00	29.95	99.8	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 2E17014-BS1 File ID: 0517LCS1.D

Sampled: Prepared: Analyzed: 05/17/12 10:15

Solids: Preparation: 5030B Dilution:

Batch: 2E17014 Sequence: 2E13906 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	78.7	2.50	5.00	10.0	
71-43-2	Benzene	49.4	0.250	0.500	1.00	
108-86-1	Bromobenzene	49.7	0.250	0.500	1.00	
74-97-5	Bromochloromethane	50.5	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	51.9	0.250	0.500	1.00	
75-25-2	Bromoform	50.4	0.250	0.500	1.00	
74-83-9	Bromomethane	35.0	0.500	1.00	2.00	Y
104-51-8	n-Butylbenzene	49.7	0.250	0.500	1.00	
78-93-3	2-Butanone	86.9	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	49.8	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	50.8	0.250	0.500	1.00	
75-15-0	Carbon disulfide	39.9	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	58.9	0.250	0.500	1.00	X
108-90-7	Chlorobenzene	47.9	0.250	0.500	1.00	
75-00-3	Chloroethane	46.4	0.500	1.00	2.00	
67-66-3	Chloroform	49.4	0.250	0.500	1.00	
74-87-3	Chloromethane	34.6	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	49.6	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	49.0	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	50.0	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	49.1	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	49.5	0.250	0.500	1.00	
74-95-3	Dibromomethane	49.4	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	48.7	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	48.9	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	49.7	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	55.7	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	50.3	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	51.2	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	43.1	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	49.0	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	49.6	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	50.6	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	49.2	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	56.6	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	50.5	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	55.0	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	49.4	0.250	0.500	1.00	
100-41-4	Ethylbenzene	49.7	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	50.1	0.250	0.500	2.00	B

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 2E17014-BS1 File ID: 0517LCS1.D

Sampled: Prepared: Analyzed: 05/17/12 10:15

Solids: Preparation: 5030B Dilution:

Batch: 2E17014 Sequence: 2E13906 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	97.0	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	46.6	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	48.6	0.250	0.500	1.00	
75-09-2	Methylene chloride	41.2	0.500	1.00	2.00	
91-20-3	Naphthalene	45.0	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	98.9	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	51.1	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	49.7	0.250	0.500	1.00	
100-42-5	Styrene	49.1	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	47.4	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	55.0	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	49.0	0.250	0.500	1.00	
108-88-3	Toluene	49.1	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	45.5	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	46.1	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	49.1	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	55.7	0.250	0.500	1.00	
79-01-6	Trichloroethene	51.5	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	53.2	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	49.5	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	52.1	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	51.6	0.250	0.500	1.00	
75-01-4	Vinyl chloride	52.7	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	146	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.21	104	75 - 120	
Dibromofluoromethane	30.00	31.22	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.45	102	70 - 120	
Toluene-d8	30.00	30.73	102	85 - 120	

HOLDING TIME SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
GW0517	05/07/12 15:44	05/09/12 08:20	05/10/12 00:00	N/A	14.00	05/10/12 16:12	2.98	14.00	
GW0518	05/07/12 11:59	05/09/12 08:20	05/10/12 00:00	N/A	14.00	05/10/12 13:57	3.04	14.00	
GW0563	05/07/12 15:51	05/09/12 08:20	05/10/12 00:00	N/A	14.00	05/10/12 16:39	2.99	14.00	
GW0564	05/07/12 13:24	05/09/12 08:20	05/10/12 00:00	N/A	14.00	05/10/12 14:24	3.00	14.00	
GW0565	05/07/12 11:09	05/09/12 08:20	05/10/12 00:00	N/A	14.00	05/10/12 14:51	3.11	14.00	
GW0587	05/08/12 13:28	05/09/12 08:20	05/10/12 00:00	N/A	14.00	05/10/12 17:06	2.11	14.00	
GW0588	05/08/12 11:03	05/09/12 08:20	05/10/12 00:00	N/A	14.00	05/10/12 15:18	2.14	14.00	
GW0589	05/08/12 11:03	05/09/12 08:20	05/10/12 00:00	N/A	14.00	05/10/12 15:45	2.15	14.00	
GW0610	05/08/12 12:45	05/09/12 08:20	05/11/12 00:00	N/A	14.00	05/11/12 10:40	2.87	14.00	
GW0611	05/08/12 12:45	05/09/12 08:20	05/11/12 00:00	N/A	14.00	05/11/12 11:06	2.89	14.00	
GW0612	05/08/12 10:31	05/09/12 08:20	05/11/12 00:00	N/A	14.00	05/11/12 11:33	3.00	14.00	
GW8050-RB	05/07/12 08:40	05/09/12 08:20	05/10/12 00:00	N/A	14.00	05/10/12 10:22	3.03	14.00	
GW8054-AB	05/07/12 11:09	05/09/12 08:20	05/10/12 00:00	N/A	14.00	05/10/12 10:49	2.94	14.00	
GW8055-AB	05/08/12 13:28	05/09/12 08:20	05/10/12 00:00	N/A	14.00	05/10/12 11:16	1.87	14.00	
GW8203-TB	05/07/12 08:00	05/09/12 08:20	05/10/12 00:00	N/A	14.00	05/10/12 09:56	3.04	14.00	
GW0511	05/09/12 11:13	05/10/12 08:20	05/11/12 00:00	N/A	14.00	05/11/12 14:14	2.08	14.00	
GW0512	05/09/12 11:13	05/10/12 08:20	05/11/12 00:00	N/A	14.00	05/11/12 14:41	2.10	14.00	
GW0570	05/09/12 13:09	05/10/12 08:20	05/11/12 00:00	N/A	14.00	05/11/12 15:08	2.04	14.00	
GW0586	05/08/12 15:27	05/10/12 08:20	05/11/12 00:00	N/A	14.00	05/11/12 15:35	2.96	14.00	
GW0599	05/09/12 09:59	05/10/12 08:20	05/11/12 00:00	N/A	14.00	05/11/12 13:21	2.10	14.00	
GW0600	05/09/12 09:59	05/10/12 08:20	05/11/12 00:00	N/A	14.00	05/11/12 13:47	2.12	14.00	
GW0609	05/08/12 15:01	05/10/12 08:20	05/11/12 00:00	N/A	14.00	05/11/12 12:54	2.87	14.00	
GW8204-TB	05/09/12 08:00	05/10/12 08:20	05/11/12 00:00	N/A	14.00	05/11/12 09:46	2.03	14.00	
GW0508	05/09/12 15:58	05/11/12 08:20	05/14/12 00:00	N/A	14.00	05/14/12 17:19	5.01	14.00	

HOLDING TIME SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
GW0509	05/10/12 11:21	05/11/12 08:20	05/14/12 00:00	N/A	14.00	05/14/12 17:45	4.23	14.00	
GW0513	05/09/12 15:48	05/11/12 08:20	05/14/12 00:00	N/A	14.00	05/14/12 18:12	5.06	14.00	
GW0583	05/10/12 15:38	05/11/12 08:20	05/14/12 00:00	N/A	14.00	05/14/12 18:39	4.08	14.00	
GW0583	05/10/12 15:38	05/11/12 08:20	05/15/12 00:00	N/A	14.00	05/15/12 18:35	5.08	14.00	
GW0584	05/10/12 11:10	05/11/12 08:20	05/14/12 00:00	N/A	14.00	05/14/12 14:11	4.08	14.00	
GW8051-RB	05/10/12 08:22	05/11/12 08:20	05/14/12 00:00	N/A	14.00	05/14/12 11:57	4.11	14.00	
GW8205-TB	05/10/12 08:00	05/11/12 08:20	05/14/12 00:00	N/A	14.00	05/14/12 12:23	4.14	14.00	
GW0585	05/14/12 11:43	05/15/12 08:30	05/17/12 00:00	N/A	14.00	05/17/12 13:23	3.03	14.00	
GW8206-TB	05/14/12 08:00	05/15/12 08:30	05/17/12 00:00	N/A	14.00	05/17/12 12:03	3.13	14.00	

Data for SW8270C Forms

ANALYSIS DATA SHEET

GW0517

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-01	File ID:	0505401D.D
Sampled:	05/07/12 15:44	Prepared:	05/10/12 10:40	Analyzed:	05/15/12 19:44
Solids:		Preparation:	EXT_3510	Dilution:	50

Batch: 2E10006 Sequence: 2E13901 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		61.3	123	245	U
208-96-8	Acenaphthylene		61.3	123	245	U
98-86-2	Acetophenone	7840	61.3	123	245	D, E
120-12-7	Anthracene		61.3	123	245	U
1912-24-9	Atrazine		61.3	123	245	U
100-52-7	Benzaldehyde		61.3	123	245	U
92-87-5	Benzidine		613	1230	2450	Q, U
56-55-3	Benzo(a)anthracene		61.3	123	245	U
50-32-8	Benzo(a)pyrene		61.3	123	245	U
205-99-2	Benzo(b)fluoranthene		61.3	123	245	U
191-24-2	Benzo(g,h,i)perylene		61.3	123	245	U
65-85-0	Benzoic acid		613	1230	2450	U
207-08-9	Benzo(k)fluoranthene		61.3	123	245	U
92-52-4	1,1-Biphenyl		61.3	123	245	U
101-55-3	4-Bromophenyl-phenylether		61.3	123	245	U
85-68-7	Butylbenzylphthalate		61.3	123	245	U
105-60-2	Caprolactam		61.3	123	245	Q, U
86-74-8	Carbazole		61.3	123	245	U
59-50-7	4-Chloro-3-methylphenol		61.3	123	245	U
106-47-8	4-Chloroaniline		61.3	123	245	U
111-91-1	Bis(2-chloroethoxy)methane		61.3	123	245	U
111-44-4	Bis(2-chloroethyl)ether		61.3	123	245	U
108-60-1	2,2'-Oxybis-1-chloropropane		61.3	123	245	U
91-58-7	2-Chloronaphthalene		61.3	123	245	U
95-57-8	2-Chlorophenol		61.3	123	245	U
7005-72-3	4-Chlorophenyl phenyl ether		61.3	123	245	U
218-01-9	Chrysene		61.3	123	245	U
53-70-3	Dibenz(a,h)anthracene		61.3	123	245	U
132-64-9	Dibenzofuran		61.3	123	245	U
84-74-2	Di-n-butylphthalate		61.3	123	245	U
91-94-1	3,3'-Dichlorobenzidine		61.3	123	245	U
120-83-2	2,4-Dichlorophenol		61.3	123	245	U
84-66-2	Diethylphthalate		61.3	123	245	U
105-67-9	2,4-Dimethylphenol		245	490	980	U
131-11-3	Dimethyl phthalate		61.3	123	245	U
534-52-1	4,6-Dinitro-2-methylphenol		245	490	980	Q, U
51-28-5	2,4-Dinitrophenol		49.0	1230	2450	Q, X, U
121-14-2	2,4-Dinitrotoluene		61.3	123	245	U
606-20-2	2,6-Dinitrotoluene		61.3	123	245	U
117-84-0	Di-n-octylphthalate		61.3	123	245	U

ANALYSIS DATA SHEET

GW0517

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-01	File ID:	0505401D.D
Sampled:	05/07/12 15:44	Prepared:	05/10/12 10:40	Analyzed:	05/15/12 19:44
Solids:		Preparation:	EXT_3510	Dilution:	50

Batch: 2E10006 Sequence: 2E13901 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		61.3	123	245	U
117-81-7	Bis(2-ethylhexyl)phthalate		61.3	123	245	U
206-44-0	Fluoranthene		61.3	123	245	U
86-73-7	Fluorene		61.3	123	245	U
118-74-1	Hexachlorobenzene		61.3	123	245	U
87-68-3	Hexachlorobutadiene		61.3	123	245	U
77-47-4	Hexachlorocyclopentadiene		61.3	123	245	U
67-72-1	Hexachloroethane		61.3	123	245	U
193-39-5	Indeno(1,2,3-cd)pyrene		61.3	123	245	U
78-59-1	Isophorone		61.3	123	245	U
90-12-0	1-Methylnaphthalene		61.3	123	245	U
91-57-6	2-Methylnaphthalene		61.3	123	245	U
95-48-7	2-Methylphenol		61.3	123	245	U
108-39-4/106	3-Methylphenol/4-Methylphenol		61.3	123	245	U
91-20-3	Naphthalene	86.1	61.3	123	245	J, D
100-01-6	4-Nitroaniline		245	490	980	U
99-09-2	3-Nitroaniline		245	490	980	U
88-74-4	2-Nitroaniline		245	490	980	U
98-95-3	Nitrobenzene		61.3	123	245	U
100-02-7	4-Nitrophenol		245	490	980	Q, X, U
88-75-5	2-Nitrophenol		61.3	123	245	U
86-30-6	N-Nitrosodiphenylamine		61.3	123	245	U
621-64-7	N-Nitroso-di-n-propylamine		61.3	123	245	U
87-86-5	Pentachlorophenol		245	490	980	Q, U
85-01-8	Phenanthrene		61.3	123	245	U
108-95-2	Phenol		61.3	123	245	U
129-00-0	Pyrene		61.3	123	245	U
88-06-2	2,4,6-Trichlorophenol		61.3	123	245	U
95-95-4	2,4,5-Trichlorophenol		61.3	123	245	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	41.77	85.2	50 - 110	D
2-Fluorophenol	98.04	28.52	29.1	20 - 110	D
Nitrobenzene-d5	49.02	36.48	74.4	40 - 110	D
Phenol-d6	98.04	14.36	14.6	0 - 110	D
Terphenyl-d14	49.02	42.83	87.4	50 - 135	D
2,4,6-Tribromophenol	98.04	92.67	94.5	40 - 125	D

ANALYSIS DATA SHEET

GW0517

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-01RE1	File ID:	505401D2.D
Sampled:	05/07/12 15:44	Prepared:	05/10/12 10:40	Analyzed:	05/16/12 10:07
Solids:		Preparation:	EXT_3510	Dilution:	200

Batch: 2E10006 Sequence: 2E13902 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		245	490	980	U
208-96-8	Acenaphthylene		245	490	980	U
98-86-2	Acetophenone	8910	245	490	980	D
120-12-7	Anthracene		245	490	980	U
1912-24-9	Atrazine		245	490	980	U
100-52-7	Benzaldehyde		245	490	980	U
92-87-5	Benzidine		2450	4900	9800	Q, U
56-55-3	Benzo(a)anthracene		245	490	980	U
50-32-8	Benzo(a)pyrene		245	490	980	U
205-99-2	Benzo(b)fluoranthene		245	490	980	U
191-24-2	Benzo(g,h,i)perylene		245	490	980	U
65-85-0	Benzoic acid		2450	4900	9800	U
207-08-9	Benzo(k)fluoranthene		245	490	980	U
92-52-4	1,1-Biphenyl		245	490	980	U
101-55-3	4-Bromophenyl-phenylether		245	490	980	U
85-68-7	Butylbenzylphthalate		245	490	980	U
105-60-2	Caprolactam		245	490	980	Q, U
86-74-8	Carbazole		245	490	980	U
59-50-7	4-Chloro-3-methylphenol		245	490	980	U
106-47-8	4-Chloroaniline		245	490	980	U
111-91-1	Bis(2-chloroethoxy)methane		245	490	980	U
111-44-4	Bis(2-chloroethyl)ether		245	490	980	U
108-60-1	2,2'-Oxybis-1-chloropropane		245	490	980	U
91-58-7	2-Chloronaphthalene		245	490	980	U
95-57-8	2-Chlorophenol		245	490	980	U
7005-72-3	4-Chlorophenyl phenyl ether		245	490	980	U
218-01-9	Chrysene		245	490	980	U
53-70-3	Dibenz(a,h)anthracene		245	490	980	U
132-64-9	Dibenzofuran		245	490	980	U
84-74-2	Di-n-butylphthalate		245	490	980	U
91-94-1	3,3'-Dichlorobenzidine		245	490	980	U
120-83-2	2,4-Dichlorophenol		245	490	980	U
84-66-2	Diethylphthalate		245	490	980	U
105-67-9	2,4-Dimethylphenol		980	1960	3920	U
131-11-3	Dimethyl phthalate		245	490	980	U
534-52-1	4,6-Dinitro-2-methylphenol		980	1960	3920	Q, U
51-28-5	2,4-Dinitrophenol		196	4900	9800	Q, U
121-14-2	2,4-Dinitrotoluene		245	490	980	U
606-20-2	2,6-Dinitrotoluene		245	490	980	U
117-84-0	Di-n-octylphthalate		245	490	980	U

ANALYSIS DATA SHEET

GW0517

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-01RE1	File ID:	505401D2.D
Sampled:	05/07/12 15:44	Prepared:	05/10/12 10:40	Analyzed:	05/16/12 10:07
Solids:		Preparation:	EXT_3510	Dilution:	200

Batch: 2E10006 Sequence: 2E13902 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		245	490	980	U
117-81-7	Bis(2-ethylhexyl)phthalate		245	490	980	U
206-44-0	Fluoranthene		245	490	980	U
86-73-7	Fluorene		245	490	980	U
118-74-1	Hexachlorobenzene		245	490	980	U
87-68-3	Hexachlorobutadiene		245	490	980	U
77-47-4	Hexachlorocyclopentadiene		245	490	980	U
67-72-1	Hexachloroethane		245	490	980	U
193-39-5	Indeno(1,2,3-cd)pyrene		245	490	980	U
78-59-1	Isophorone		245	490	980	U
90-12-0	1-Methylnaphthalene		245	490	980	U
91-57-6	2-Methylnaphthalene		245	490	980	U
95-48-7	2-Methylphenol		245	490	980	U
108-39-4/106	3-Methylphenol/4-Methylphenol		245	490	980	U
91-20-3	Naphthalene		245	490	980	U
100-01-6	4-Nitroaniline		980	1960	3920	U
99-09-2	3-Nitroaniline		980	1960	3920	U
88-74-4	2-Nitroaniline		980	1960	3920	U
98-95-3	Nitrobenzene		245	490	980	U
100-02-7	4-Nitrophenol		980	1960	3920	Q, U
88-75-5	2-Nitrophenol		245	490	980	U
86-30-6	N-Nitrosodiphenylamine		245	490	980	U
621-64-7	N-Nitroso-di-n-propylamine		245	490	980	U
87-86-5	Pentachlorophenol		980	1960	3920	Q, U
85-01-8	Phenanthrene		245	490	980	U
108-95-2	Phenol		245	490	980	U
129-00-0	Pyrene		245	490	980	U
88-06-2	2,4,6-Trichlorophenol		245	490	980	U
95-95-4	2,4,5-Trichlorophenol		245	490	980	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	0.000		50 - 110	DU
2-Fluorophenol	98.04	0.000		20 - 110	DU
Nitrobenzene-d5	49.02	0.000		40 - 110	DU
Phenol-d6	98.04	0.000		0 - 110	DU
Terphenyl-d14	49.02	0.000		50 - 135	DU
2,4,6-Tribromophenol	98.04	0.000		40 - 125	DX, U

ANALYSIS DATA SHEET

GW0518

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-03	File ID:	0505403.D
Sampled:	05/07/12 11:59	Prepared:	05/10/12 10:40	Analyzed:	05/14/12 16:13
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E10006 Sequence: 2E13601 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	U
98-86-2	Acetophenone		1.23	2.45	4.90	U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	U
100-52-7	Benzaldehyde		1.23	2.45	4.90	U
92-87-5	Benzidine		12.3	24.5	49.0	Q, U
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	U
65-85-0	Benzoic acid		12.3	24.5	49.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	U
105-60-2	Caprolactam		1.23	2.45	4.90	Q, U
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	U
218-01-9	Chrysene		1.23	2.45	4.90	U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	Q, U
51-28-5	2,4-Dinitrophenol		0.980	24.5	49.0	X, Q, U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	U

ANALYSIS DATA SHEET

GW0518

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-03	File ID:	0505403.D
Sampled:	05/07/12 11:59	Prepared:	05/10/12 10:40	Analyzed:	05/14/12 16:13
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E10006 Sequence: 2E13601 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.23	2.45	4.90	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.23	2.45	4.90	U
206-44-0	Fluoranthene		1.23	2.45	4.90	U
86-73-7	Fluorene		1.23	2.45	4.90	U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	U
87-68-3	Hexachlorobutadiene		1.23	2.45	4.90	U
77-47-4	Hexachlorocyclopentadiene		1.23	2.45	4.90	X, U
67-72-1	Hexachloroethane		1.23	2.45	4.90	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.23	2.45	4.90	U
78-59-1	Isophorone		1.23	2.45	4.90	U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	U
95-48-7	2-Methylphenol		1.23	2.45	4.90	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	U
91-20-3	Naphthalene		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	Q, U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	Q, U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	38.62	78.8	50 - 110	
2-Fluorophenol	98.04	30.11	30.7	20 - 110	
Nitrobenzene-d5	49.02	44.37	90.5	40 - 110	
Phenol-d6	98.04	16.40	16.7	0 - 110	
Terphenyl-d14	49.02	47.47	96.8	50 - 135	
2,4,6-Tribromophenol	98.04	88.01	89.8	40 - 125	X

ANALYSIS DATA SHEET

GW0563

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-05	File ID:	0505405D.D
Sampled:	05/07/12 15:51	Prepared:	05/10/12 10:40	Analyzed:	05/15/12 20:12
Solids:		Preparation:	EXT_3510	Dilution:	50

Batch: 2E10006 Sequence: 2E13901 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		59.0	118	236	U
208-96-8	Acenaphthylene		59.0	118	236	U
98-86-2	Acetophenone	6300	59.0	118	236	D, E
120-12-7	Anthracene		59.0	118	236	U
1912-24-9	Atrazine		59.0	118	236	U
100-52-7	Benzaldehyde		59.0	118	236	U
92-87-5	Benzidine		590	1180	2360	Q, U
56-55-3	Benzo(a)anthracene		59.0	118	236	U
50-32-8	Benzo(a)pyrene		59.0	118	236	U
205-99-2	Benzo(b)fluoranthene		59.0	118	236	U
191-24-2	Benzo(g,h,i)perylene		59.0	118	236	U
65-85-0	Benzoic acid		590	1180	2360	U
207-08-9	Benzo(k)fluoranthene		59.0	118	236	U
92-52-4	1,1-Biphenyl		59.0	118	236	U
101-55-3	4-Bromophenyl-phenylether		59.0	118	236	U
85-68-7	Butylbenzylphthalate		59.0	118	236	U
105-60-2	Caprolactam		59.0	118	236	Q, U
86-74-8	Carbazole		59.0	118	236	U
59-50-7	4-Chloro-3-methylphenol		59.0	118	236	U
106-47-8	4-Chloroaniline		59.0	118	236	U
111-91-1	Bis(2-chloroethoxy)methane		59.0	118	236	U
111-44-4	Bis(2-chloroethyl)ether		59.0	118	236	U
108-60-1	2,2'-Oxybis-1-chloropropane		59.0	118	236	U
91-58-7	2-Chloronaphthalene		59.0	118	236	U
95-57-8	2-Chlorophenol		59.0	118	236	U
7005-72-3	4-Chlorophenyl phenyl ether		59.0	118	236	U
218-01-9	Chrysene		59.0	118	236	U
53-70-3	Dibenz(a,h)anthracene		59.0	118	236	U
132-64-9	Dibenzofuran		59.0	118	236	U
84-74-2	Di-n-butylphthalate		59.0	118	236	U
91-94-1	3,3'-Dichlorobenzidine		59.0	118	236	U
120-83-2	2,4-Dichlorophenol		59.0	118	236	U
84-66-2	Diethylphthalate		59.0	118	236	U
105-67-9	2,4-Dimethylphenol		236	472	943	U
131-11-3	Dimethyl phthalate		59.0	118	236	U
534-52-1	4,6-Dinitro-2-methylphenol		236	472	943	Q, U
51-28-5	2,4-Dinitrophenol		47.2	1180	2360	Q, X, U
121-14-2	2,4-Dinitrotoluene		59.0	118	236	U
606-20-2	2,6-Dinitrotoluene		59.0	118	236	U
117-84-0	Di-n-octylphthalate		59.0	118	236	U

ANALYSIS DATA SHEET

GW0563

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-05	File ID:	0505405D.D
Sampled:	05/07/12 15:51	Prepared:	05/10/12 10:40	Analyzed:	05/15/12 20:12
Solids:		Preparation:	EXT_3510	Dilution:	50

Batch: 2E10006 Sequence: 2E13901 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		59.0	118	236	U
117-81-7	Bis(2-ethylhexyl)phthalate		59.0	118	236	U
206-44-0	Fluoranthene		59.0	118	236	U
86-73-7	Fluorene		59.0	118	236	U
118-74-1	Hexachlorobenzene		59.0	118	236	U
87-68-3	Hexachlorobutadiene		59.0	118	236	U
77-47-4	Hexachlorocyclopentadiene		59.0	118	236	U
67-72-1	Hexachloroethane		59.0	118	236	U
193-39-5	Indeno(1,2,3-cd)pyrene		59.0	118	236	U
78-59-1	Isophorone		59.0	118	236	U
90-12-0	1-Methylnaphthalene		59.0	118	236	U
91-57-6	2-Methylnaphthalene		59.0	118	236	U
95-48-7	2-Methylphenol		59.0	118	236	U
108-39-4/106	3-Methylphenol/4-Methylphenol		59.0	118	236	U
91-20-3	Naphthalene	107	59.0	118	236	J, D
100-01-6	4-Nitroaniline		236	472	943	U
99-09-2	3-Nitroaniline		236	472	943	U
88-74-4	2-Nitroaniline		236	472	943	U
98-95-3	Nitrobenzene		59.0	118	236	U
100-02-7	4-Nitrophenol		236	472	943	Q, X, U
88-75-5	2-Nitrophenol		59.0	118	236	U
86-30-6	N-Nitrosodiphenylamine		59.0	118	236	U
621-64-7	N-Nitroso-di-n-propylamine		59.0	118	236	U
87-86-5	Pentachlorophenol		236	472	943	Q, U
85-01-8	Phenanthrene		59.0	118	236	U
108-95-2	Phenol		59.0	118	236	U
129-00-0	Pyrene		59.0	118	236	U
88-06-2	2,4,6-Trichlorophenol		59.0	118	236	U
95-95-4	2,4,5-Trichlorophenol		59.0	118	236	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	41.11	87.1	50 - 110	D
2-Fluorophenol	94.34	23.19	24.6	20 - 110	D
Nitrobenzene-d5	47.17	31.10	65.9	40 - 110	D
Phenol-d6	94.34	12.38	13.1	0 - 110	D
Terphenyl-d14	47.17	41.59	88.2	50 - 135	D
2,4,6-Tribromophenol	94.34	65.76	69.7	40 - 125	D

ANALYSIS DATA SHEET

GW0563

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-05RE1	File ID:	505405D2.D
Sampled:	05/07/12 15:51	Prepared:	05/10/12 10:40	Analyzed:	05/16/12 10:34
Solids:		Preparation:	EXT_3510	Dilution:	200

Batch: 2E10006 Sequence: 2E13902 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		236	472	943	U
208-96-8	Acenaphthylene		236	472	943	U
98-86-2	Acetophenone	6110	236	472	943	D
120-12-7	Anthracene		236	472	943	U
1912-24-9	Atrazine		236	472	943	U
100-52-7	Benzaldehyde		236	472	943	U
92-87-5	Benzidine		2360	4720	9430	Q, U
56-55-3	Benzo(a)anthracene		236	472	943	U
50-32-8	Benzo(a)pyrene		236	472	943	U
205-99-2	Benzo(b)fluoranthene		236	472	943	U
191-24-2	Benzo(g,h,i)perylene		236	472	943	U
65-85-0	Benzoic acid		2360	4720	9430	U
207-08-9	Benzo(k)fluoranthene		236	472	943	U
92-52-4	1,1-Biphenyl		236	472	943	U
101-55-3	4-Bromophenyl-phenylether		236	472	943	U
85-68-7	Butylbenzylphthalate		236	472	943	U
105-60-2	Caprolactam		236	472	943	Q, U
86-74-8	Carbazole		236	472	943	U
59-50-7	4-Chloro-3-methylphenol		236	472	943	U
106-47-8	4-Chloroaniline		236	472	943	U
111-91-1	Bis(2-chloroethoxy)methane		236	472	943	U
111-44-4	Bis(2-chloroethyl)ether		236	472	943	U
108-60-1	2,2'-Oxybis-1-chloropropane		236	472	943	U
91-58-7	2-Chloronaphthalene		236	472	943	U
95-57-8	2-Chlorophenol		236	472	943	U
7005-72-3	4-Chlorophenyl phenyl ether		236	472	943	U
218-01-9	Chrysene		236	472	943	U
53-70-3	Dibenz(a,h)anthracene		236	472	943	U
132-64-9	Dibenzofuran		236	472	943	U
84-74-2	Di-n-butylphthalate		236	472	943	U
91-94-1	3,3'-Dichlorobenzidine		236	472	943	U
120-83-2	2,4-Dichlorophenol		236	472	943	U
84-66-2	Diethylphthalate		236	472	943	U
105-67-9	2,4-Dimethylphenol		943	1890	3770	U
131-11-3	Dimethyl phthalate		236	472	943	U
534-52-1	4,6-Dinitro-2-methylphenol		943	1890	3770	Q, U
51-28-5	2,4-Dinitrophenol		189	4720	9430	Q, U
121-14-2	2,4-Dinitrotoluene		236	472	943	U
606-20-2	2,6-Dinitrotoluene		236	472	943	U
117-84-0	Di-n-octylphthalate		236	472	943	U

ANALYSIS DATA SHEET

GW0563

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-05RE1	File ID:	505405D2.D
Sampled:	05/07/12 15:51	Prepared:	05/10/12 10:40	Analyzed:	05/16/12 10:34
Solids:		Preparation:	EXT_3510	Dilution:	200

Batch: 2E10006 Sequence: 2E13902 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		236	472	943	U
117-81-7	Bis(2-ethylhexyl)phthalate		236	472	943	U
206-44-0	Fluoranthene		236	472	943	U
86-73-7	Fluorene		236	472	943	U
118-74-1	Hexachlorobenzene		236	472	943	U
87-68-3	Hexachlorobutadiene		236	472	943	U
77-47-4	Hexachlorocyclopentadiene		236	472	943	U
67-72-1	Hexachloroethane		236	472	943	U
193-39-5	Indeno(1,2,3-cd)pyrene		236	472	943	U
78-59-1	Isophorone		236	472	943	U
90-12-0	1-Methylnaphthalene		236	472	943	U
91-57-6	2-Methylnaphthalene		236	472	943	U
95-48-7	2-Methylphenol		236	472	943	U
108-39-4/106	3-Methylphenol/4-Methylphenol		236	472	943	U
91-20-3	Naphthalene		236	472	943	U
100-01-6	4-Nitroaniline		943	1890	3770	U
99-09-2	3-Nitroaniline		943	1890	3770	U
88-74-4	2-Nitroaniline		943	1890	3770	U
98-95-3	Nitrobenzene		236	472	943	U
100-02-7	4-Nitrophenol		943	1890	3770	Q, U
88-75-5	2-Nitrophenol		236	472	943	U
86-30-6	N-Nitrosodiphenylamine		236	472	943	U
621-64-7	N-Nitroso-di-n-propylamine		236	472	943	U
87-86-5	Pentachlorophenol		943	1890	3770	Q, U
85-01-8	Phenanthrene		236	472	943	U
108-95-2	Phenol		236	472	943	U
129-00-0	Pyrene		236	472	943	U
88-06-2	2,4,6-Trichlorophenol		236	472	943	U
95-95-4	2,4,5-Trichlorophenol		236	472	943	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	0.000		50 - 110	DU
2-Fluorophenol	94.34	0.000		20 - 110	DU
Nitrobenzene-d5	47.17	0.000		40 - 110	DU
Phenol-d6	94.34	0.000		0 - 110	DU
Terphenyl-d14	47.17	0.000		50 - 135	DU
2,4,6-Tribromophenol	94.34	0.000		40 - 125	DX, U

ANALYSIS DATA SHEET

GW0564

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-07	File ID:	0505407.D
Sampled:	05/07/12 13:24	Prepared:	05/10/12 10:40	Analyzed:	05/14/12 17:08
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E10006 Sequence: 2E13601 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.18	2.36	4.72	U
208-96-8	Acenaphthylene		1.18	2.36	4.72	U
98-86-2	Acetophenone		1.18	2.36	4.72	U
120-12-7	Anthracene		1.18	2.36	4.72	U
1912-24-9	Atrazine		1.18	2.36	4.72	U
100-52-7	Benzaldehyde		1.18	2.36	4.72	U
92-87-5	Benzidine		11.8	23.6	47.2	Q, U
56-55-3	Benzo(a)anthracene		1.18	2.36	4.72	U
50-32-8	Benzo(a)pyrene		1.18	2.36	4.72	U
205-99-2	Benzo(b)fluoranthene		1.18	2.36	4.72	U
191-24-2	Benzo(g,h,i)perylene		1.18	2.36	4.72	U
65-85-0	Benzoic acid		11.8	23.6	47.2	U
207-08-9	Benzo(k)fluoranthene		1.18	2.36	4.72	U
92-52-4	1,1-Biphenyl		1.18	2.36	4.72	U
101-55-3	4-Bromophenyl-phenylether		1.18	2.36	4.72	U
85-68-7	Butylbenzylphthalate		1.18	2.36	4.72	U
105-60-2	Caprolactam		1.18	2.36	4.72	Q, U
86-74-8	Carbazole		1.18	2.36	4.72	U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	U
218-01-9	Chrysene		1.18	2.36	4.72	U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	U
132-64-9	Dibenzofuran		1.18	2.36	4.72	U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	U
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	U
84-66-2	Diethylphthalate		1.18	2.36	4.72	U
105-67-9	2,4-Dimethylphenol		4.72	9.43	18.9	U
131-11-3	Dimethyl phthalate		1.18	2.36	4.72	U
534-52-1	4,6-Dinitro-2-methylphenol		4.72	9.43	18.9	Q, U
51-28-5	2,4-Dinitrophenol		0.943	23.6	47.2	Q, X, U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	U
606-20-2	2,6-Dinitrotoluene		1.18	2.36	4.72	U
117-84-0	Di-n-octylphthalate		1.18	2.36	4.72	U

ANALYSIS DATA SHEET

GW0564

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-07	File ID:	0505407.D
Sampled:	05/07/12 13:24	Prepared:	05/10/12 10:40	Analyzed:	05/14/12 17:08
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E10006 Sequence: 2E13601 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.18	2.36	4.72	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.18	2.36	4.72	U
206-44-0	Fluoranthene		1.18	2.36	4.72	U
86-73-7	Fluorene		1.18	2.36	4.72	U
118-74-1	Hexachlorobenzene		1.18	2.36	4.72	U
87-68-3	Hexachlorobutadiene		1.18	2.36	4.72	U
77-47-4	Hexachlorocyclopentadiene		1.18	2.36	4.72	X, U
67-72-1	Hexachloroethane		1.18	2.36	4.72	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.18	2.36	4.72	U
78-59-1	Isophorone		1.18	2.36	4.72	U
90-12-0	1-Methylnaphthalene		1.18	2.36	4.72	U
91-57-6	2-Methylnaphthalene		1.18	2.36	4.72	U
95-48-7	2-Methylphenol		1.18	2.36	4.72	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.18	2.36	4.72	U
91-20-3	Naphthalene		1.18	2.36	4.72	U
100-01-6	4-Nitroaniline		4.72	9.43	18.9	U
99-09-2	3-Nitroaniline		4.72	9.43	18.9	U
88-74-4	2-Nitroaniline		4.72	9.43	18.9	U
98-95-3	Nitrobenzene		1.18	2.36	4.72	U
100-02-7	4-Nitrophenol		4.72	9.43	18.9	Q, U
88-75-5	2-Nitrophenol		1.18	2.36	4.72	U
86-30-6	N-Nitrosodiphenylamine		1.18	2.36	4.72	U
621-64-7	N-Nitroso-di-n-propylamine		1.18	2.36	4.72	U
87-86-5	Pentachlorophenol		4.72	9.43	18.9	Q, U
85-01-8	Phenanthrene		1.18	2.36	4.72	U
108-95-2	Phenol		1.18	2.36	4.72	U
129-00-0	Pyrene		1.18	2.36	4.72	U
88-06-2	2,4,6-Trichlorophenol		1.18	2.36	4.72	U
95-95-4	2,4,5-Trichlorophenol		1.18	2.36	4.72	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	41.33	87.6	50 - 110	
2-Fluorophenol	94.34	28.72	30.4	20 - 110	
Nitrobenzene-d5	47.17	43.86	93.0	40 - 110	
Phenol-d6	94.34	14.95	15.8	0 - 110	
Terphenyl-d14	47.17	49.60	105	50 - 135	
2,4,6-Tribromophenol	94.34	89.09	94.4	40 - 125	X

ANALYSIS DATA SHEET

GW0565

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-09	File ID:	0505409.D
Sampled:	05/07/12 11:09	Prepared:	05/10/12 10:40	Analyzed:	05/14/12 17:35
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E10006 Sequence: 2E13601 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.17	2.34	4.67	U
208-96-8	Acenaphthylene		1.17	2.34	4.67	U
98-86-2	Acetophenone		1.17	2.34	4.67	U
120-12-7	Anthracene		1.17	2.34	4.67	U
1912-24-9	Atrazine		1.17	2.34	4.67	U
100-52-7	Benzaldehyde		1.17	2.34	4.67	U
92-87-5	Benzidine		11.7	23.4	46.7	Q, U
56-55-3	Benzo(a)anthracene		1.17	2.34	4.67	U
50-32-8	Benzo(a)pyrene		1.17	2.34	4.67	U
205-99-2	Benzo(b)fluoranthene		1.17	2.34	4.67	U
191-24-2	Benzo(g,h,i)perylene		1.17	2.34	4.67	U
65-85-0	Benzoic acid		11.7	23.4	46.7	U
207-08-9	Benzo(k)fluoranthene		1.17	2.34	4.67	U
92-52-4	1,1-Biphenyl		1.17	2.34	4.67	U
101-55-3	4-Bromophenyl-phenylether		1.17	2.34	4.67	U
85-68-7	Butylbenzylphthalate		1.17	2.34	4.67	U
105-60-2	Caprolactam		1.17	2.34	4.67	Q, U
86-74-8	Carbazole		1.17	2.34	4.67	U
59-50-7	4-Chloro-3-methylphenol		1.17	2.34	4.67	U
106-47-8	4-Chloroaniline		1.17	2.34	4.67	U
111-91-1	Bis(2-chloroethoxy)methane		1.17	2.34	4.67	U
111-44-4	Bis(2-chloroethyl)ether		1.17	2.34	4.67	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.17	2.34	4.67	U
91-58-7	2-Chloronaphthalene		1.17	2.34	4.67	U
95-57-8	2-Chlorophenol		1.17	2.34	4.67	U
7005-72-3	4-Chlorophenyl phenyl ether		1.17	2.34	4.67	U
218-01-9	Chrysene		1.17	2.34	4.67	U
53-70-3	Dibenz(a,h)anthracene		1.17	2.34	4.67	U
132-64-9	Dibenzofuran		1.17	2.34	4.67	U
84-74-2	Di-n-butylphthalate		1.17	2.34	4.67	U
91-94-1	3,3'-Dichlorobenzidine		1.17	2.34	4.67	U
120-83-2	2,4-Dichlorophenol		1.17	2.34	4.67	U
84-66-2	Diethylphthalate		1.17	2.34	4.67	U
105-67-9	2,4-Dimethylphenol		4.67	9.35	18.7	U
131-11-3	Dimethyl phthalate		1.17	2.34	4.67	U
534-52-1	4,6-Dinitro-2-methylphenol		4.67	9.35	18.7	Q, U
51-28-5	2,4-Dinitrophenol		0.935	23.4	46.7	Q, X, U
121-14-2	2,4-Dinitrotoluene		1.17	2.34	4.67	U
606-20-2	2,6-Dinitrotoluene		1.17	2.34	4.67	U
117-84-0	Di-n-octylphthalate		1.17	2.34	4.67	U

ANALYSIS DATA SHEET

GW0565

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-09	File ID:	0505409.D
Sampled:	05/07/12 11:09	Prepared:	05/10/12 10:40	Analyzed:	05/14/12 17:35
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E10006 Sequence: 2E13601 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.17	2.34	4.67	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.17	2.34	4.67	U
206-44-0	Fluoranthene		1.17	2.34	4.67	U
86-73-7	Fluorene		1.17	2.34	4.67	U
118-74-1	Hexachlorobenzene		1.17	2.34	4.67	U
87-68-3	Hexachlorobutadiene		1.17	2.34	4.67	U
77-47-4	Hexachlorocyclopentadiene		1.17	2.34	4.67	X, U
67-72-1	Hexachloroethane		1.17	2.34	4.67	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.17	2.34	4.67	U
78-59-1	Isophorone		1.17	2.34	4.67	U
90-12-0	1-Methylnaphthalene		1.17	2.34	4.67	U
91-57-6	2-Methylnaphthalene		1.17	2.34	4.67	U
95-48-7	2-Methylphenol		1.17	2.34	4.67	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.17	2.34	4.67	U
91-20-3	Naphthalene		1.17	2.34	4.67	U
100-01-6	4-Nitroaniline		4.67	9.35	18.7	U
99-09-2	3-Nitroaniline		4.67	9.35	18.7	U
88-74-4	2-Nitroaniline		4.67	9.35	18.7	U
98-95-3	Nitrobenzene		1.17	2.34	4.67	U
100-02-7	4-Nitrophenol		4.67	9.35	18.7	Q, U
88-75-5	2-Nitrophenol		1.17	2.34	4.67	U
86-30-6	N-Nitrosodiphenylamine		1.17	2.34	4.67	U
621-64-7	N-Nitroso-di-n-propylamine		1.17	2.34	4.67	U
87-86-5	Pentachlorophenol		4.67	9.35	18.7	Q, U
85-01-8	Phenanthrene		1.17	2.34	4.67	U
108-95-2	Phenol		1.17	2.34	4.67	U
129-00-0	Pyrene		1.17	2.34	4.67	U
88-06-2	2,4,6-Trichlorophenol		1.17	2.34	4.67	U
95-95-4	2,4,5-Trichlorophenol		1.17	2.34	4.67	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.73	35.16	75.2	50 - 110	
2-Fluorophenol	93.46	24.38	26.1	20 - 110	
Nitrobenzene-d5	46.73	38.47	82.3	40 - 110	
Phenol-d6	93.46	12.97	13.9	0 - 110	
Terphenyl-d14	46.73	44.66	95.6	50 - 135	
2,4,6-Tribromophenol	93.46	77.86	83.3	40 - 125	X

ANALYSIS DATA SHEET

GW0587

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-11	File ID:	0505411D.D
Sampled:	05/08/12 13:28	Prepared:	05/10/12 10:40	Analyzed:	05/15/12 19:17
Solids:		Preparation:	EXT_3510	Dilution:	5

Batch: 2E10006 Sequence: 2E13901 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		5.84	11.7	23.4	U
208-96-8	Acenaphthylene		5.84	11.7	23.4	U
98-86-2	Acetophenone	203	5.84	11.7	23.4	D
120-12-7	Anthracene		5.84	11.7	23.4	U
1912-24-9	Atrazine		5.84	11.7	23.4	U
100-52-7	Benzaldehyde		5.84	11.7	23.4	U
92-87-5	Benzidine		58.4	117	234	Q, U
56-55-3	Benzo(a)anthracene		5.84	11.7	23.4	U
50-32-8	Benzo(a)pyrene		5.84	11.7	23.4	U
205-99-2	Benzo(b)fluoranthene		5.84	11.7	23.4	U
191-24-2	Benzo(g,h,i)perylene		5.84	11.7	23.4	U
65-85-0	Benzoic acid		58.4	117	234	U
207-08-9	Benzo(k)fluoranthene		5.84	11.7	23.4	U
92-52-4	1,1-Biphenyl		5.84	11.7	23.4	U
101-55-3	4-Bromophenyl-phenylether		5.84	11.7	23.4	U
85-68-7	Butylbenzylphthalate		5.84	11.7	23.4	U
105-60-2	Caprolactam		5.84	11.7	23.4	Q, U
86-74-8	Carbazole		5.84	11.7	23.4	U
59-50-7	4-Chloro-3-methylphenol		5.84	11.7	23.4	U
106-47-8	4-Chloroaniline		5.84	11.7	23.4	U
111-91-1	Bis(2-chloroethoxy)methane		5.84	11.7	23.4	U
111-44-4	Bis(2-chloroethyl)ether		5.84	11.7	23.4	U
108-60-1	2,2'-Oxybis-1-chloropropane		5.84	11.7	23.4	U
91-58-7	2-Chloronaphthalene		5.84	11.7	23.4	U
95-57-8	2-Chlorophenol		5.84	11.7	23.4	U
7005-72-3	4-Chlorophenyl phenyl ether		5.84	11.7	23.4	U
218-01-9	Chrysene		5.84	11.7	23.4	U
53-70-3	Dibenz(a,h)anthracene		5.84	11.7	23.4	U
132-64-9	Dibenzofuran		5.84	11.7	23.4	U
84-74-2	Di-n-butylphthalate		5.84	11.7	23.4	U
91-94-1	3,3'-Dichlorobenzidine		5.84	11.7	23.4	U
120-83-2	2,4-Dichlorophenol		5.84	11.7	23.4	U
84-66-2	Diethylphthalate		5.84	11.7	23.4	U
105-67-9	2,4-Dimethylphenol		23.4	46.7	93.5	U
131-11-3	Dimethyl phthalate		5.84	11.7	23.4	U
534-52-1	4,6-Dinitro-2-methylphenol		23.4	46.7	93.5	Q, U
51-28-5	2,4-Dinitrophenol		4.67	117	234	Q, X, U
121-14-2	2,4-Dinitrotoluene		5.84	11.7	23.4	U
606-20-2	2,6-Dinitrotoluene		5.84	11.7	23.4	U
117-84-0	Di-n-octylphthalate		5.84	11.7	23.4	U

ANALYSIS DATA SHEET

GW0587

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-11	File ID:	0505411D.D
Sampled:	05/08/12 13:28	Prepared:	05/10/12 10:40	Analyzed:	05/15/12 19:17
Solids:		Preparation:	EXT_3510	Dilution:	5

Batch: 2E10006 Sequence: 2E13901 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		5.84	11.7	23.4	U
117-81-7	Bis(2-ethylhexyl)phthalate		5.84	11.7	23.4	U
206-44-0	Fluoranthene		5.84	11.7	23.4	U
86-73-7	Fluorene		5.84	11.7	23.4	U
118-74-1	Hexachlorobenzene		5.84	11.7	23.4	U
87-68-3	Hexachlorobutadiene		5.84	11.7	23.4	U
77-47-4	Hexachlorocyclopentadiene		5.84	11.7	23.4	U
67-72-1	Hexachloroethane		5.84	11.7	23.4	U
193-39-5	Indeno(1,2,3-cd)pyrene		5.84	11.7	23.4	U
78-59-1	Isophorone		5.84	11.7	23.4	U
90-12-0	1-Methylnaphthalene	27.3	5.84	11.7	23.4	D
91-57-6	2-Methylnaphthalene	22.5	5.84	11.7	23.4	J, D
95-48-7	2-Methylphenol		5.84	11.7	23.4	U
108-39-4/106	3-Methylphenol/4-Methylphenol		5.84	11.7	23.4	U
91-20-3	Naphthalene	94.2	5.84	11.7	23.4	D
100-01-6	4-Nitroaniline		23.4	46.7	93.5	U
99-09-2	3-Nitroaniline		23.4	46.7	93.5	U
88-74-4	2-Nitroaniline		23.4	46.7	93.5	U
98-95-3	Nitrobenzene		5.84	11.7	23.4	U
100-02-7	4-Nitrophenol		23.4	46.7	93.5	X, Q, U
88-75-5	2-Nitrophenol		5.84	11.7	23.4	U
86-30-6	N-Nitrosodiphenylamine		5.84	11.7	23.4	U
621-64-7	N-Nitroso-di-n-propylamine		5.84	11.7	23.4	U
87-86-5	Pentachlorophenol		23.4	46.7	93.5	Q, U
85-01-8	Phenanthrene		5.84	11.7	23.4	U
108-95-2	Phenol		5.84	11.7	23.4	U
129-00-0	Pyrene		5.84	11.7	23.4	U
88-06-2	2,4,6-Trichlorophenol		5.84	11.7	23.4	U
95-95-4	2,4,5-Trichlorophenol		5.84	11.7	23.4	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.73	43.85	93.8	50 - 110	
2-Fluorophenol	93.46	29.54	31.6	20 - 110	
Nitrobenzene-d5	46.73	48.72	104	40 - 110	
Phenol-d6	93.46	16.46	17.6	0 - 110	
Terphenyl-d14	46.73	48.45	104	50 - 135	
2,4,6-Tribromophenol	93.46	96.09	103	40 - 125	

ANALYSIS DATA SHEET

GW0588

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-13	File ID:	0505413.D
Sampled:	05/08/12 11:03	Prepared:	05/10/12 10:40	Analyzed:	05/14/12 18:30
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E10006 Sequence: 2E13601 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.18	2.36	4.72	U
208-96-8	Acenaphthylene		1.18	2.36	4.72	U
98-86-2	Acetophenone		1.18	2.36	4.72	U
120-12-7	Anthracene		1.18	2.36	4.72	U
1912-24-9	Atrazine		1.18	2.36	4.72	U
100-52-7	Benzaldehyde		1.18	2.36	4.72	U
92-87-5	Benzidine		11.8	23.6	47.2	Q, U
56-55-3	Benzo(a)anthracene		1.18	2.36	4.72	U
50-32-8	Benzo(a)pyrene		1.18	2.36	4.72	U
205-99-2	Benzo(b)fluoranthene		1.18	2.36	4.72	U
191-24-2	Benzo(g,h,i)perylene		1.18	2.36	4.72	U
65-85-0	Benzoic acid		11.8	23.6	47.2	U
207-08-9	Benzo(k)fluoranthene		1.18	2.36	4.72	U
92-52-4	1,1-Biphenyl		1.18	2.36	4.72	U
101-55-3	4-Bromophenyl-phenylether		1.18	2.36	4.72	U
85-68-7	Butylbenzylphthalate		1.18	2.36	4.72	U
105-60-2	Caprolactam		1.18	2.36	4.72	Q, U
86-74-8	Carbazole		1.18	2.36	4.72	U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	U
218-01-9	Chrysene		1.18	2.36	4.72	U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	U
132-64-9	Dibenzofuran		1.18	2.36	4.72	U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	U
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	U
84-66-2	Diethylphthalate		1.18	2.36	4.72	U
105-67-9	2,4-Dimethylphenol		4.72	9.43	18.9	U
131-11-3	Dimethyl phthalate		1.18	2.36	4.72	U
534-52-1	4,6-Dinitro-2-methylphenol		4.72	9.43	18.9	Q, U
51-28-5	2,4-Dinitrophenol		0.943	23.6	47.2	Q, X, U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	U
606-20-2	2,6-Dinitrotoluene		1.18	2.36	4.72	U
117-84-0	Di-n-octylphthalate		1.18	2.36	4.72	U

ANALYSIS DATA SHEET

GW0588

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-13	File ID:	0505413.D
Sampled:	05/08/12 11:03	Prepared:	05/10/12 10:40	Analyzed:	05/14/12 18:30
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E10006 Sequence: 2E13601 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.18	2.36	4.72	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.18	2.36	4.72	U
206-44-0	Fluoranthene		1.18	2.36	4.72	U
86-73-7	Fluorene		1.18	2.36	4.72	U
118-74-1	Hexachlorobenzene		1.18	2.36	4.72	U
87-68-3	Hexachlorobutadiene		1.18	2.36	4.72	U
77-47-4	Hexachlorocyclopentadiene		1.18	2.36	4.72	X, U
67-72-1	Hexachloroethane		1.18	2.36	4.72	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.18	2.36	4.72	U
78-59-1	Isophorone		1.18	2.36	4.72	U
90-12-0	1-Methylnaphthalene		1.18	2.36	4.72	U
91-57-6	2-Methylnaphthalene		1.18	2.36	4.72	U
95-48-7	2-Methylphenol		1.18	2.36	4.72	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.18	2.36	4.72	U
91-20-3	Naphthalene		1.18	2.36	4.72	U
100-01-6	4-Nitroaniline		4.72	9.43	18.9	U
99-09-2	3-Nitroaniline		4.72	9.43	18.9	U
88-74-4	2-Nitroaniline		4.72	9.43	18.9	U
98-95-3	Nitrobenzene		1.18	2.36	4.72	U
100-02-7	4-Nitrophenol		4.72	9.43	18.9	Q, U
88-75-5	2-Nitrophenol		1.18	2.36	4.72	U
86-30-6	N-Nitrosodiphenylamine		1.18	2.36	4.72	U
621-64-7	N-Nitroso-di-n-propylamine		1.18	2.36	4.72	U
87-86-5	Pentachlorophenol		4.72	9.43	18.9	Q, U
85-01-8	Phenanthrene		1.18	2.36	4.72	U
108-95-2	Phenol		1.18	2.36	4.72	U
129-00-0	Pyrene		1.18	2.36	4.72	U
88-06-2	2,4,6-Trichlorophenol		1.18	2.36	4.72	U
95-95-4	2,4,5-Trichlorophenol		1.18	2.36	4.72	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	38.40	81.4	50 - 110	
2-Fluorophenol	94.34	28.99	30.7	20 - 110	
Nitrobenzene-d5	47.17	44.60	94.6	40 - 110	
Phenol-d6	94.34	15.47	16.4	0 - 110	
Terphenyl-d14	47.17	48.32	102	50 - 135	
2,4,6-Tribromophenol	94.34	86.15	91.3	40 - 125	X

ANALYSIS DATA SHEET

GW0589

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-15	File ID:	0505415.D
Sampled:	05/08/12 11:03	Prepared:	05/10/12 10:40	Analyzed:	05/14/12 18:57
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E10006 Sequence: 2E13601 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.18	2.36	4.72	U
208-96-8	Acenaphthylene		1.18	2.36	4.72	U
98-86-2	Acetophenone		1.18	2.36	4.72	U
120-12-7	Anthracene		1.18	2.36	4.72	U
1912-24-9	Atrazine		1.18	2.36	4.72	U
100-52-7	Benzaldehyde		1.18	2.36	4.72	U
92-87-5	Benzidine		11.8	23.6	47.2	Q, U
56-55-3	Benzo(a)anthracene		1.18	2.36	4.72	U
50-32-8	Benzo(a)pyrene		1.18	2.36	4.72	U
205-99-2	Benzo(b)fluoranthene		1.18	2.36	4.72	U
191-24-2	Benzo(g,h,i)perylene		1.18	2.36	4.72	U
65-85-0	Benzoic acid		11.8	23.6	47.2	U
207-08-9	Benzo(k)fluoranthene		1.18	2.36	4.72	U
92-52-4	1,1-Biphenyl		1.18	2.36	4.72	U
101-55-3	4-Bromophenyl-phenylether		1.18	2.36	4.72	U
85-68-7	Butylbenzylphthalate		1.18	2.36	4.72	U
105-60-2	Caprolactam		1.18	2.36	4.72	Q, U
86-74-8	Carbazole		1.18	2.36	4.72	U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	U
218-01-9	Chrysene		1.18	2.36	4.72	U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	U
132-64-9	Dibenzofuran		1.18	2.36	4.72	U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	U
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	U
84-66-2	Diethylphthalate		1.18	2.36	4.72	U
105-67-9	2,4-Dimethylphenol		4.72	9.43	18.9	U
131-11-3	Dimethyl phthalate		1.18	2.36	4.72	U
534-52-1	4,6-Dinitro-2-methylphenol		4.72	9.43	18.9	Q, U
51-28-5	2,4-Dinitrophenol		0.943	23.6	47.2	Q, X, U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	U
606-20-2	2,6-Dinitrotoluene		1.18	2.36	4.72	U
117-84-0	Di-n-octylphthalate		1.18	2.36	4.72	U

ANALYSIS DATA SHEET

GW0589

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-15	File ID:	0505415.D
Sampled:	05/08/12 11:03	Prepared:	05/10/12 10:40	Analyzed:	05/14/12 18:57
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E10006 Sequence: 2E13601 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.18	2.36	4.72	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.18	2.36	4.72	U
206-44-0	Fluoranthene		1.18	2.36	4.72	U
86-73-7	Fluorene		1.18	2.36	4.72	U
118-74-1	Hexachlorobenzene		1.18	2.36	4.72	U
87-68-3	Hexachlorobutadiene		1.18	2.36	4.72	U
77-47-4	Hexachlorocyclopentadiene		1.18	2.36	4.72	X, U
67-72-1	Hexachloroethane		1.18	2.36	4.72	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.18	2.36	4.72	U
78-59-1	Isophorone		1.18	2.36	4.72	U
90-12-0	1-Methylnaphthalene		1.18	2.36	4.72	U
91-57-6	2-Methylnaphthalene		1.18	2.36	4.72	U
95-48-7	2-Methylphenol		1.18	2.36	4.72	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.18	2.36	4.72	U
91-20-3	Naphthalene		1.18	2.36	4.72	U
100-01-6	4-Nitroaniline		4.72	9.43	18.9	U
99-09-2	3-Nitroaniline		4.72	9.43	18.9	U
88-74-4	2-Nitroaniline		4.72	9.43	18.9	U
98-95-3	Nitrobenzene		1.18	2.36	4.72	U
100-02-7	4-Nitrophenol		4.72	9.43	18.9	Q, U
88-75-5	2-Nitrophenol		1.18	2.36	4.72	U
86-30-6	N-Nitrosodiphenylamine		1.18	2.36	4.72	U
621-64-7	N-Nitroso-di-n-propylamine		1.18	2.36	4.72	U
87-86-5	Pentachlorophenol		4.72	9.43	18.9	Q, U
85-01-8	Phenanthrene		1.18	2.36	4.72	U
108-95-2	Phenol		1.18	2.36	4.72	U
129-00-0	Pyrene		1.18	2.36	4.72	U
88-06-2	2,4,6-Trichlorophenol		1.18	2.36	4.72	U
95-95-4	2,4,5-Trichlorophenol		1.18	2.36	4.72	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	37.14	78.7	50 - 110	
2-Fluorophenol	94.34	26.02	27.6	20 - 110	
Nitrobenzene-d5	47.17	40.10	85.0	40 - 110	
Phenol-d6	94.34	13.82	14.7	0 - 110	
Terphenyl-d14	47.17	46.88	99.4	50 - 135	
2,4,6-Tribromophenol	94.34	85.24	90.3	40 - 125	X

ANALYSIS DATA SHEET

GW0610

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-17RE1	File ID:	0505417R.D
Sampled:	05/08/12 12:45	Prepared:	05/15/12 13:19	Analyzed:	05/16/12 17:38
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E15006 Sequence: 2E13902 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		2.50	5.00	10.0	U
208-96-8	Acenaphthylene		2.50	5.00	10.0	U
98-86-2	Acetophenone		2.50	5.00	10.0	U
120-12-7	Anthracene		2.50	5.00	10.0	U
1912-24-9	Atrazine		2.50	5.00	10.0	U
100-52-7	Benzaldehyde		2.50	5.00	10.0	U
92-87-5	Benzidine		25.0	50.0	100	U
56-55-3	Benzo(a)anthracene		2.50	5.00	10.0	U
50-32-8	Benzo(a)pyrene		2.50	5.00	10.0	U
205-99-2	Benzo(b)fluoranthene		2.50	5.00	10.0	U
191-24-2	Benzo(g,h,i)perylene		2.50	5.00	10.0	U
65-85-0	Benzoic acid		25.0	50.0	100	U
207-08-9	Benzo(k)fluoranthene		2.50	5.00	10.0	U
92-52-4	1,1-Biphenyl		2.50	5.00	10.0	U
101-55-3	4-Bromophenyl-phenylether		2.50	5.00	10.0	U
85-68-7	Butylbenzylphthalate		2.50	5.00	10.0	U
105-60-2	Caprolactam		2.50	5.00	10.0	Q, U
86-74-8	Carbazole		2.50	5.00	10.0	U
59-50-7	4-Chloro-3-methylphenol		2.50	5.00	10.0	U
106-47-8	4-Chloroaniline		2.50	5.00	10.0	U
111-91-1	Bis(2-chloroethoxy)methane		2.50	5.00	10.0	U
111-44-4	Bis(2-chloroethyl)ether		2.50	5.00	10.0	U
108-60-1	2,2'-Oxybis-1-chloropropane		2.50	5.00	10.0	U
91-58-7	2-Chloronaphthalene		2.50	5.00	10.0	U
95-57-8	2-Chlorophenol		2.50	5.00	10.0	U
7005-72-3	4-Chlorophenyl phenyl ether		2.50	5.00	10.0	U
218-01-9	Chrysene		2.50	5.00	10.0	U
53-70-3	Dibenz(a,h)anthracene		2.50	5.00	10.0	U
132-64-9	Dibenzofuran		2.50	5.00	10.0	U
84-74-2	Di-n-butylphthalate		2.50	5.00	10.0	U
91-94-1	3,3'-Dichlorobenzidine		2.50	5.00	10.0	U
120-83-2	2,4-Dichlorophenol		2.50	5.00	10.0	U
84-66-2	Diethylphthalate		2.50	5.00	10.0	U
105-67-9	2,4-Dimethylphenol		10.0	20.0	40.0	U
131-11-3	Dimethyl phthalate		2.50	5.00	10.0	U
534-52-1	4,6-Dinitro-2-methylphenol		10.0	20.0	40.0	U
51-28-5	2,4-Dinitrophenol		2.00	50.0	100	U
121-14-2	2,4-Dinitrotoluene		2.50	5.00	10.0	U
606-20-2	2,6-Dinitrotoluene		2.50	5.00	10.0	U
117-84-0	Di-n-octylphthalate		2.50	5.00	10.0	U

ANALYSIS DATA SHEET

GW0610

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-17RE1	File ID:	0505417R.D
Sampled:	05/08/12 12:45	Prepared:	05/15/12 13:19	Analyzed:	05/16/12 17:38
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E15006 Sequence: 2E13902 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		2.50	5.00	10.0	U
117-81-7	Bis(2-ethylhexyl)phthalate		2.50	5.00	10.0	U
206-44-0	Fluoranthene		2.50	5.00	10.0	U
86-73-7	Fluorene		2.50	5.00	10.0	U
118-74-1	Hexachlorobenzene		2.50	5.00	10.0	U
87-68-3	Hexachlorobutadiene		2.50	5.00	10.0	U
77-47-4	Hexachlorocyclopentadiene		2.50	5.00	10.0	U
67-72-1	Hexachloroethane		2.50	5.00	10.0	U
193-39-5	Indeno(1,2,3-cd)pyrene		2.50	5.00	10.0	U
78-59-1	Isophorone		2.50	5.00	10.0	U
90-12-0	1-Methylnaphthalene		2.50	5.00	10.0	U
91-57-6	2-Methylnaphthalene		2.50	5.00	10.0	U
95-48-7	2-Methylphenol		2.50	5.00	10.0	U
108-39-4/106	3-Methylphenol/4-Methylphenol		2.50	5.00	10.0	U
91-20-3	Naphthalene		2.50	5.00	10.0	U
100-01-6	4-Nitroaniline		10.0	20.0	40.0	U
99-09-2	3-Nitroaniline		10.0	20.0	40.0	U
88-74-4	2-Nitroaniline		10.0	20.0	40.0	U
98-95-3	Nitrobenzene		2.50	5.00	10.0	U
100-02-7	4-Nitrophenol		10.0	20.0	40.0	U
88-75-5	2-Nitrophenol		2.50	5.00	10.0	U
86-30-6	N-Nitrosodiphenylamine		2.50	5.00	10.0	U
621-64-7	N-Nitroso-di-n-propylamine		2.50	5.00	10.0	U
87-86-5	Pentachlorophenol		10.0	20.0	40.0	U
85-01-8	Phenanthrene		2.50	5.00	10.0	U
108-95-2	Phenol		2.50	5.00	10.0	U
129-00-0	Pyrene		2.50	5.00	10.0	U
88-06-2	2,4,6-Trichlorophenol		2.50	5.00	10.0	U
95-95-4	2,4,5-Trichlorophenol		2.50	5.00	10.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	38.04	76.1	50 - 110	
2-Fluorophenol	100.0	42.67	42.7	20 - 110	
Nitrobenzene-d5	50.00	39.62	79.2	40 - 110	
Phenol-d6	100.0	28.15	28.1	0 - 110	
Terphenyl-d14	50.00	48.68	97.4	50 - 135	
2,4,6-Tribromophenol	100.0	68.16	68.2	40 - 125	X

ANALYSIS DATA SHEET

GW0611

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-19	File ID:	0505419.D
Sampled:	05/08/12 12:45	Prepared:	05/10/12 10:40	Analyzed:	05/14/12 19:52
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E10006 Sequence: 2E13601 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.17	2.34	4.67	U
208-96-8	Acenaphthylene		1.17	2.34	4.67	U
98-86-2	Acetophenone		1.17	2.34	4.67	U
120-12-7	Anthracene		1.17	2.34	4.67	U
1912-24-9	Atrazine		1.17	2.34	4.67	U
100-52-7	Benzaldehyde		1.17	2.34	4.67	U
92-87-5	Benzidine		11.7	23.4	46.7	Q, U
56-55-3	Benzo(a)anthracene		1.17	2.34	4.67	U
50-32-8	Benzo(a)pyrene		1.17	2.34	4.67	U
205-99-2	Benzo(b)fluoranthene		1.17	2.34	4.67	U
191-24-2	Benzo(g,h,i)perylene		1.17	2.34	4.67	U
65-85-0	Benzoic acid		11.7	23.4	46.7	U
207-08-9	Benzo(k)fluoranthene		1.17	2.34	4.67	U
92-52-4	1,1-Biphenyl		1.17	2.34	4.67	U
101-55-3	4-Bromophenyl-phenylether		1.17	2.34	4.67	U
85-68-7	Butylbenzylphthalate		1.17	2.34	4.67	U
105-60-2	Caprolactam		1.17	2.34	4.67	Q, U
86-74-8	Carbazole		1.17	2.34	4.67	U
59-50-7	4-Chloro-3-methylphenol		1.17	2.34	4.67	U
106-47-8	4-Chloroaniline		1.17	2.34	4.67	U
111-91-1	Bis(2-chloroethoxy)methane		1.17	2.34	4.67	U
111-44-4	Bis(2-chloroethyl)ether		1.17	2.34	4.67	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.17	2.34	4.67	U
91-58-7	2-Chloronaphthalene		1.17	2.34	4.67	U
95-57-8	2-Chlorophenol		1.17	2.34	4.67	U
7005-72-3	4-Chlorophenyl phenyl ether		1.17	2.34	4.67	U
218-01-9	Chrysene		1.17	2.34	4.67	U
53-70-3	Dibenz(a,h)anthracene		1.17	2.34	4.67	U
132-64-9	Dibenzofuran		1.17	2.34	4.67	U
84-74-2	Di-n-butylphthalate		1.17	2.34	4.67	U
91-94-1	3,3'-Dichlorobenzidine		1.17	2.34	4.67	U
120-83-2	2,4-Dichlorophenol		1.17	2.34	4.67	U
84-66-2	Diethylphthalate		1.17	2.34	4.67	U
105-67-9	2,4-Dimethylphenol		4.67	9.35	18.7	U
131-11-3	Dimethyl phthalate		1.17	2.34	4.67	U
534-52-1	4,6-Dinitro-2-methylphenol		4.67	9.35	18.7	Q, U
51-28-5	2,4-Dinitrophenol		0.935	23.4	46.7	X, Q, U
121-14-2	2,4-Dinitrotoluene		1.17	2.34	4.67	U
606-20-2	2,6-Dinitrotoluene		1.17	2.34	4.67	U
117-84-0	Di-n-octylphthalate		1.17	2.34	4.67	U

ANALYSIS DATA SHEET

GW0611

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-19	File ID:	0505419.D
Sampled:	05/08/12 12:45	Prepared:	05/10/12 10:40	Analyzed:	05/14/12 19:52
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E10006 Sequence: 2E13601 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.17	2.34	4.67	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.17	2.34	4.67	U
206-44-0	Fluoranthene		1.17	2.34	4.67	U
86-73-7	Fluorene		1.17	2.34	4.67	U
118-74-1	Hexachlorobenzene		1.17	2.34	4.67	U
87-68-3	Hexachlorobutadiene		1.17	2.34	4.67	U
77-47-4	Hexachlorocyclopentadiene		1.17	2.34	4.67	X, U
67-72-1	Hexachloroethane		1.17	2.34	4.67	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.17	2.34	4.67	U
78-59-1	Isophorone		1.17	2.34	4.67	U
90-12-0	1-Methylnaphthalene		1.17	2.34	4.67	U
91-57-6	2-Methylnaphthalene		1.17	2.34	4.67	U
95-48-7	2-Methylphenol		1.17	2.34	4.67	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.17	2.34	4.67	U
91-20-3	Naphthalene		1.17	2.34	4.67	U
100-01-6	4-Nitroaniline		4.67	9.35	18.7	U
99-09-2	3-Nitroaniline		4.67	9.35	18.7	U
88-74-4	2-Nitroaniline		4.67	9.35	18.7	U
98-95-3	Nitrobenzene		1.17	2.34	4.67	U
100-02-7	4-Nitrophenol		4.67	9.35	18.7	Q, U
88-75-5	2-Nitrophenol		1.17	2.34	4.67	U
86-30-6	N-Nitrosodiphenylamine		1.17	2.34	4.67	U
621-64-7	N-Nitroso-di-n-propylamine		1.17	2.34	4.67	U
87-86-5	Pentachlorophenol		4.67	9.35	18.7	Q, U
85-01-8	Phenanthrene		1.17	2.34	4.67	U
108-95-2	Phenol		1.17	2.34	4.67	U
129-00-0	Pyrene		1.17	2.34	4.67	U
88-06-2	2,4,6-Trichlorophenol		1.17	2.34	4.67	U
95-95-4	2,4,5-Trichlorophenol		1.17	2.34	4.67	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.73	39.05	83.6	50 - 110	
2-Fluorophenol	93.46	25.82	27.6	20 - 110	
Nitrobenzene-d5	46.73	42.62	91.2	40 - 110	
Phenol-d6	93.46	13.47	14.4	0 - 110	
Terphenyl-d14	46.73	43.03	92.1	50 - 135	
2,4,6-Tribromophenol	93.46	82.50	88.3	40 - 125	X

ANALYSIS DATA SHEET

GW0612

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-21	File ID:	0505421.D
Sampled:	05/08/12 10:31	Prepared:	05/10/12 10:40	Analyzed:	05/14/12 20:19
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E10006 Sequence: 2E13601 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.18	2.36	4.72	U
208-96-8	Acenaphthylene		1.18	2.36	4.72	U
98-86-2	Acetophenone		1.18	2.36	4.72	U
120-12-7	Anthracene		1.18	2.36	4.72	U
1912-24-9	Atrazine		1.18	2.36	4.72	U
100-52-7	Benzaldehyde		1.18	2.36	4.72	U
92-87-5	Benzidine		11.8	23.6	47.2	Q, U
56-55-3	Benzo(a)anthracene		1.18	2.36	4.72	U
50-32-8	Benzo(a)pyrene		1.18	2.36	4.72	U
205-99-2	Benzo(b)fluoranthene		1.18	2.36	4.72	U
191-24-2	Benzo(g,h,i)perylene		1.18	2.36	4.72	U
65-85-0	Benzoic acid		11.8	23.6	47.2	U
207-08-9	Benzo(k)fluoranthene		1.18	2.36	4.72	U
92-52-4	1,1-Biphenyl		1.18	2.36	4.72	U
101-55-3	4-Bromophenyl-phenylether		1.18	2.36	4.72	U
85-68-7	Butylbenzylphthalate		1.18	2.36	4.72	U
105-60-2	Caprolactam		1.18	2.36	4.72	Q, U
86-74-8	Carbazole		1.18	2.36	4.72	U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	U
218-01-9	Chrysene		1.18	2.36	4.72	U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	U
132-64-9	Dibenzofuran		1.18	2.36	4.72	U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	U
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	U
84-66-2	Diethylphthalate		1.18	2.36	4.72	U
105-67-9	2,4-Dimethylphenol		4.72	9.43	18.9	U
131-11-3	Dimethyl phthalate		1.18	2.36	4.72	U
534-52-1	4,6-Dinitro-2-methylphenol		4.72	9.43	18.9	Q, U
51-28-5	2,4-Dinitrophenol		0.943	23.6	47.2	Q, X, U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	U
606-20-2	2,6-Dinitrotoluene		1.18	2.36	4.72	U
117-84-0	Di-n-octylphthalate		1.18	2.36	4.72	U

ANALYSIS DATA SHEET

GW0612

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-21	File ID:	0505421.D
Sampled:	05/08/12 10:31	Prepared:	05/10/12 10:40	Analyzed:	05/14/12 20:19
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E10006 Sequence: 2E13601 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.18	2.36	4.72	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.18	2.36	4.72	U
206-44-0	Fluoranthene		1.18	2.36	4.72	U
86-73-7	Fluorene		1.18	2.36	4.72	U
118-74-1	Hexachlorobenzene		1.18	2.36	4.72	U
87-68-3	Hexachlorobutadiene		1.18	2.36	4.72	U
77-47-4	Hexachlorocyclopentadiene		1.18	2.36	4.72	X, U
67-72-1	Hexachloroethane		1.18	2.36	4.72	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.18	2.36	4.72	U
78-59-1	Isophorone		1.18	2.36	4.72	U
90-12-0	1-Methylnaphthalene		1.18	2.36	4.72	U
91-57-6	2-Methylnaphthalene		1.18	2.36	4.72	U
95-48-7	2-Methylphenol		1.18	2.36	4.72	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.18	2.36	4.72	U
91-20-3	Naphthalene		1.18	2.36	4.72	U
100-01-6	4-Nitroaniline		4.72	9.43	18.9	U
99-09-2	3-Nitroaniline		4.72	9.43	18.9	U
88-74-4	2-Nitroaniline		4.72	9.43	18.9	U
98-95-3	Nitrobenzene		1.18	2.36	4.72	U
100-02-7	4-Nitrophenol		4.72	9.43	18.9	Q, U
88-75-5	2-Nitrophenol		1.18	2.36	4.72	U
86-30-6	N-Nitrosodiphenylamine		1.18	2.36	4.72	U
621-64-7	N-Nitroso-di-n-propylamine		1.18	2.36	4.72	U
87-86-5	Pentachlorophenol		4.72	9.43	18.9	Q, U
85-01-8	Phenanthrene		1.18	2.36	4.72	U
108-95-2	Phenol		1.18	2.36	4.72	U
129-00-0	Pyrene		1.18	2.36	4.72	U
88-06-2	2,4,6-Trichlorophenol		1.18	2.36	4.72	U
95-95-4	2,4,5-Trichlorophenol		1.18	2.36	4.72	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	32.97	69.9	50 - 110	
2-Fluorophenol	94.34	22.37	23.7	20 - 110	
Nitrobenzene-d5	47.17	36.23	76.8	40 - 110	
Phenol-d6	94.34	11.54	12.2	0 - 110	
Terphenyl-d14	47.17	44.56	94.5	50 - 135	
2,4,6-Tribromophenol	94.34	78.24	82.9	40 - 125	X

ANALYSIS DATA SHEET

GW8050-RB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-23	File ID:	0505423.D
Sampled:	05/07/12 08:40	Prepared:	05/10/12 10:40	Analyzed:	05/14/12 20:46
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E10006 Sequence: 2E13601 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	U
98-86-2	Acetophenone		1.23	2.45	4.90	U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	U
100-52-7	Benzaldehyde		1.23	2.45	4.90	U
92-87-5	Benzidine		12.3	24.5	49.0	Q, U
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	U
65-85-0	Benzoic acid		12.3	24.5	49.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	U
105-60-2	Caprolactam		1.23	2.45	4.90	Q, U
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	U
218-01-9	Chrysene		1.23	2.45	4.90	U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	Q, U
51-28-5	2,4-Dinitrophenol		0.980	24.5	49.0	Q, X, U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	U

ANALYSIS DATA SHEET

GW8050-RB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-23	File ID:	0505423.D
Sampled:	05/07/12 08:40	Prepared:	05/10/12 10:40	Analyzed:	05/14/12 20:46
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E10006 Sequence: 2E13601 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.23	2.45	4.90	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.01	1.23	2.45	4.90	
206-44-0	Fluoranthene		1.23	2.45	4.90	U
86-73-7	Fluorene		1.23	2.45	4.90	U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	U
87-68-3	Hexachlorobutadiene		1.23	2.45	4.90	U
77-47-4	Hexachlorocyclopentadiene		1.23	2.45	4.90	X, U
67-72-1	Hexachloroethane		1.23	2.45	4.90	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.23	2.45	4.90	U
78-59-1	Isophorone		1.23	2.45	4.90	U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	U
95-48-7	2-Methylphenol		1.23	2.45	4.90	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	U
91-20-3	Naphthalene		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	Q, U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	Q, U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	36.54	74.5	50 - 110	
2-Fluorophenol	98.04	23.47	23.9	20 - 110	
Nitrobenzene-d5	49.02	39.35	80.3	40 - 110	
Phenol-d6	98.04	12.73	13.0	0 - 110	
Terphenyl-d14	49.02	46.36	94.6	50 - 135	
2,4,6-Tribromophenol	98.04	84.69	86.4	40 - 125	X

ANALYSIS DATA SHEET

GW0511

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-01	File ID:	0507001D.D
Sampled:	05/09/12 11:13	Prepared:	05/11/12 12:11	Analyzed:	05/15/12 20:39
Solids:		Preparation:	EXT_3510	Dilution:	10

Batch: 2E11005 Sequence: 2E13901 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		11.8	23.6	47.2	U
208-96-8	Acenaphthylene		11.8	23.6	47.2	U
98-86-2	Acetophenone	390	11.8	23.6	47.2	Q, D
120-12-7	Anthracene		11.8	23.6	47.2	U
1912-24-9	Atrazine		11.8	23.6	47.2	Q, U
100-52-7	Benzaldehyde		11.8	23.6	47.2	U
92-87-5	Benzidine		118	236	472	Q, U
56-55-3	Benzo(a)anthracene		11.8	23.6	47.2	U
50-32-8	Benzo(a)pyrene		11.8	23.6	47.2	U
205-99-2	Benzo(b)fluoranthene		11.8	23.6	47.2	U
191-24-2	Benzo(g,h,i)perylene		11.8	23.6	47.2	U
65-85-0	Benzoic acid		118	236	472	U
207-08-9	Benzo(k)fluoranthene		11.8	23.6	47.2	U
92-52-4	1,1-Biphenyl		11.8	23.6	47.2	Q, U
101-55-3	4-Bromophenyl-phenylether		11.8	23.6	47.2	U
85-68-7	Butylbenzylphthalate		11.8	23.6	47.2	U
105-60-2	Caprolactam		11.8	23.6	47.2	Q, U
86-74-8	Carbazole		11.8	23.6	47.2	U
59-50-7	4-Chloro-3-methylphenol		11.8	23.6	47.2	U
106-47-8	4-Chloroaniline		11.8	23.6	47.2	U
111-91-1	Bis(2-chloroethoxy)methane		11.8	23.6	47.2	U
111-44-4	Bis(2-chloroethyl)ether		11.8	23.6	47.2	U
108-60-1	2,2'-Oxybis-1-chloropropane		11.8	23.6	47.2	U
91-58-7	2-Chloronaphthalene		11.8	23.6	47.2	U
95-57-8	2-Chlorophenol		11.8	23.6	47.2	U
7005-72-3	4-Chlorophenyl phenyl ether		11.8	23.6	47.2	U
218-01-9	Chrysene		11.8	23.6	47.2	U
53-70-3	Dibenz(a,h)anthracene		11.8	23.6	47.2	U
132-64-9	Dibenzofuran		11.8	23.6	47.2	U
84-74-2	Di-n-butylphthalate		11.8	23.6	47.2	U
91-94-1	3,3'-Dichlorobenzidine		11.8	23.6	47.2	U
120-83-2	2,4-Dichlorophenol		11.8	23.6	47.2	U
84-66-2	Diethylphthalate		11.8	23.6	47.2	U
105-67-9	2,4-Dimethylphenol		47.2	94.3	189	U
131-11-3	Dimethyl phthalate		11.8	23.6	47.2	U
534-52-1	4,6-Dinitro-2-methylphenol		47.2	94.3	189	U
51-28-5	2,4-Dinitrophenol		9.43	236	472	X, U
121-14-2	2,4-Dinitrotoluene		11.8	23.6	47.2	U
606-20-2	2,6-Dinitrotoluene		11.8	23.6	47.2	U
117-84-0	Di-n-octylphthalate		11.8	23.6	47.2	U

ANALYSIS DATA SHEET

GW0511

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-01	File ID:	0507001D.D
Sampled:	05/09/12 11:13	Prepared:	05/11/12 12:11	Analyzed:	05/15/12 20:39
Solids:		Preparation:	EXT_3510	Dilution:	10

Batch: 2E11005 Sequence: 2E13901 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		11.8	23.6	47.2	U
117-81-7	Bis(2-ethylhexyl)phthalate		11.8	23.6	47.2	U
206-44-0	Fluoranthene		11.8	23.6	47.2	U
86-73-7	Fluorene		11.8	23.6	47.2	U
118-74-1	Hexachlorobenzene		11.8	23.6	47.2	U
87-68-3	Hexachlorobutadiene		11.8	23.6	47.2	U
77-47-4	Hexachlorocyclopentadiene		11.8	23.6	47.2	U
67-72-1	Hexachloroethane		11.8	23.6	47.2	U
193-39-5	Indeno(1,2,3-cd)pyrene		11.8	23.6	47.2	U
78-59-1	Isophorone		11.8	23.6	47.2	U
90-12-0	1-Methylnaphthalene		11.8	23.6	47.2	U
91-57-6	2-Methylnaphthalene		11.8	23.6	47.2	U
95-48-7	2-Methylphenol		11.8	23.6	47.2	U
108-39-4/106	3-Methylphenol/4-Methylphenol		11.8	23.6	47.2	U
91-20-3	Naphthalene	19.1	11.8	23.6	47.2	J, D
100-01-6	4-Nitroaniline		47.2	94.3	189	U
99-09-2	3-Nitroaniline		47.2	94.3	189	U
88-74-4	2-Nitroaniline		47.2	94.3	189	U
98-95-3	Nitrobenzene		11.8	23.6	47.2	U
100-02-7	4-Nitrophenol		47.2	94.3	189	Q, X, U
88-75-5	2-Nitrophenol		11.8	23.6	47.2	U
86-30-6	N-Nitrosodiphenylamine		11.8	23.6	47.2	U
621-64-7	N-Nitroso-di-n-propylamine		11.8	23.6	47.2	U
87-86-5	Pentachlorophenol		47.2	94.3	189	U
85-01-8	Phenanthrene		11.8	23.6	47.2	U
108-95-2	Phenol		11.8	23.6	47.2	U
129-00-0	Pyrene		11.8	23.6	47.2	U
88-06-2	2,4,6-Trichlorophenol		11.8	23.6	47.2	U
95-95-4	2,4,5-Trichlorophenol		11.8	23.6	47.2	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	34.62	73.4	50 - 110	
2-Fluorophenol	94.34	27.28	28.9	20 - 110	
Nitrobenzene-d5	47.17	35.10	74.4	40 - 110	
Phenol-d6	94.34	15.74	16.7	0 - 110	
Terphenyl-d14	47.17	36.73	77.9	50 - 135	
2,4,6-Tribromophenol	94.34	71.34	75.6	40 - 125	

ANALYSIS DATA SHEET

GW0512

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-03	File ID:	0507003D.D
Sampled:	05/09/12 11:13	Prepared:	05/11/12 12:11	Analyzed:	05/15/12 21:06
Solids:		Preparation:	EXT_3510	Dilution:	10

Batch: 2E11005 Sequence: 2E13901 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		12.0	24.0	48.1	U
208-96-8	Acenaphthylene		12.0	24.0	48.1	U
98-86-2	Acetophenone	428	12.0	24.0	48.1	Q, D
120-12-7	Anthracene		12.0	24.0	48.1	U
1912-24-9	Atrazine		12.0	24.0	48.1	Q, U
100-52-7	Benzaldehyde		12.0	24.0	48.1	U
92-87-5	Benzidine		120	240	481	Q, U
56-55-3	Benzo(a)anthracene		12.0	24.0	48.1	U
50-32-8	Benzo(a)pyrene		12.0	24.0	48.1	U
205-99-2	Benzo(b)fluoranthene		12.0	24.0	48.1	U
191-24-2	Benzo(g,h,i)perylene		12.0	24.0	48.1	U
65-85-0	Benzoic acid		120	240	481	U
207-08-9	Benzo(k)fluoranthene		12.0	24.0	48.1	U
92-52-4	1,1-Biphenyl		12.0	24.0	48.1	Q, U
101-55-3	4-Bromophenyl-phenylether		12.0	24.0	48.1	U
85-68-7	Butylbenzylphthalate		12.0	24.0	48.1	U
105-60-2	Caprolactam		12.0	24.0	48.1	Q, U
86-74-8	Carbazole		12.0	24.0	48.1	U
59-50-7	4-Chloro-3-methylphenol		12.0	24.0	48.1	U
106-47-8	4-Chloroaniline		12.0	24.0	48.1	U
111-91-1	Bis(2-chloroethoxy)methane		12.0	24.0	48.1	U
111-44-4	Bis(2-chloroethyl)ether		12.0	24.0	48.1	U
108-60-1	2,2'-Oxybis-1-chloropropane		12.0	24.0	48.1	U
91-58-7	2-Chloronaphthalene		12.0	24.0	48.1	U
95-57-8	2-Chlorophenol		12.0	24.0	48.1	U
7005-72-3	4-Chlorophenyl phenyl ether		12.0	24.0	48.1	U
218-01-9	Chrysene		12.0	24.0	48.1	U
53-70-3	Dibenz(a,h)anthracene		12.0	24.0	48.1	U
132-64-9	Dibenzofuran		12.0	24.0	48.1	U
84-74-2	Di-n-butylphthalate		12.0	24.0	48.1	U
91-94-1	3,3'-Dichlorobenzidine		12.0	24.0	48.1	U
120-83-2	2,4-Dichlorophenol		12.0	24.0	48.1	U
84-66-2	Diethylphthalate		12.0	24.0	48.1	U
105-67-9	2,4-Dimethylphenol		48.1	96.2	192	U
131-11-3	Dimethyl phthalate		12.0	24.0	48.1	U
534-52-1	4,6-Dinitro-2-methylphenol		48.1	96.2	192	U
51-28-5	2,4-Dinitrophenol		9.62	240	481	X, U
121-14-2	2,4-Dinitrotoluene		12.0	24.0	48.1	U
606-20-2	2,6-Dinitrotoluene		12.0	24.0	48.1	U
117-84-0	Di-n-octylphthalate		12.0	24.0	48.1	U

ANALYSIS DATA SHEET

GW0512

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-03	File ID:	0507003D.D
Sampled:	05/09/12 11:13	Prepared:	05/11/12 12:11	Analyzed:	05/15/12 21:06
Solids:		Preparation:	EXT_3510	Dilution:	10

Batch: 2E11005 Sequence: 2E13901 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		12.0	24.0	48.1	U
117-81-7	Bis(2-ethylhexyl)phthalate		12.0	24.0	48.1	U
206-44-0	Fluoranthene		12.0	24.0	48.1	U
86-73-7	Fluorene		12.0	24.0	48.1	U
118-74-1	Hexachlorobenzene		12.0	24.0	48.1	U
87-68-3	Hexachlorobutadiene		12.0	24.0	48.1	U
77-47-4	Hexachlorocyclopentadiene		12.0	24.0	48.1	U
67-72-1	Hexachloroethane		12.0	24.0	48.1	U
193-39-5	Indeno(1,2,3-cd)pyrene		12.0	24.0	48.1	U
78-59-1	Isophorone		12.0	24.0	48.1	U
90-12-0	1-Methylnaphthalene		12.0	24.0	48.1	U
91-57-6	2-Methylnaphthalene		12.0	24.0	48.1	U
95-48-7	2-Methylphenol		12.0	24.0	48.1	U
108-39-4/106	3-Methylphenol/4-Methylphenol		12.0	24.0	48.1	U
91-20-3	Naphthalene	20.2	12.0	24.0	48.1	J, D
100-01-6	4-Nitroaniline		48.1	96.2	192	U
99-09-2	3-Nitroaniline		48.1	96.2	192	U
88-74-4	2-Nitroaniline		48.1	96.2	192	U
98-95-3	Nitrobenzene		12.0	24.0	48.1	U
100-02-7	4-Nitrophenol		48.1	96.2	192	Q, X, U
88-75-5	2-Nitrophenol		12.0	24.0	48.1	U
86-30-6	N-Nitrosodiphenylamine		12.0	24.0	48.1	U
621-64-7	N-Nitroso-di-n-propylamine		12.0	24.0	48.1	U
87-86-5	Pentachlorophenol		48.1	96.2	192	U
85-01-8	Phenanthrene		12.0	24.0	48.1	U
108-95-2	Phenol		12.0	24.0	48.1	U
129-00-0	Pyrene		12.0	24.0	48.1	U
88-06-2	2,4,6-Trichlorophenol		12.0	24.0	48.1	U
95-95-4	2,4,5-Trichlorophenol		12.0	24.0	48.1	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	35.75	74.4	50 - 110	
2-Fluorophenol	96.15	28.45	29.6	20 - 110	
Nitrobenzene-d5	48.08	34.77	72.3	40 - 110	
Phenol-d6	96.15	16.60	17.3	0 - 110	
Terphenyl-d14	48.08	41.84	87.0	50 - 135	
2,4,6-Tribromophenol	96.15	72.44	75.3	40 - 125	

ANALYSIS DATA SHEET

GW0570

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-05	File ID:	0507005D.D
Sampled:	05/09/12 13:09	Prepared:	05/11/12 12:11	Analyzed:	05/15/12 14:43
Solids:		Preparation:	EXT_3510	Dilution:	50

Batch: 2E11005 Sequence: 2E13901 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		59.0	118	236	U
208-96-8	Acenaphthylene		59.0	118	236	U
98-86-2	Acetophenone	4520	59.0	118	236	Q, D
120-12-7	Anthracene		59.0	118	236	U
1912-24-9	Atrazine		59.0	118	236	Q, U
100-52-7	Benzaldehyde		59.0	118	236	U
92-87-5	Benzidine		590	1180	2360	Q, U
56-55-3	Benzo(a)anthracene		59.0	118	236	U
50-32-8	Benzo(a)pyrene		59.0	118	236	U
205-99-2	Benzo(b)fluoranthene		59.0	118	236	U
191-24-2	Benzo(g,h,i)perylene		59.0	118	236	U
65-85-0	Benzoic acid		590	1180	2360	U
207-08-9	Benzo(k)fluoranthene		59.0	118	236	U
92-52-4	1,1-Biphenyl		59.0	118	236	Q, U
101-55-3	4-Bromophenyl-phenylether		59.0	118	236	U
85-68-7	Butylbenzylphthalate		59.0	118	236	U
105-60-2	Caprolactam		59.0	118	236	Q, U
86-74-8	Carbazole		59.0	118	236	U
59-50-7	4-Chloro-3-methylphenol		59.0	118	236	U
106-47-8	4-Chloroaniline		59.0	118	236	U
111-91-1	Bis(2-chloroethoxy)methane		59.0	118	236	U
111-44-4	Bis(2-chloroethyl)ether		59.0	118	236	U
108-60-1	2,2'-Oxybis-1-chloropropane		59.0	118	236	U
91-58-7	2-Chloronaphthalene		59.0	118	236	U
95-57-8	2-Chlorophenol		59.0	118	236	U
7005-72-3	4-Chlorophenyl phenyl ether		59.0	118	236	U
218-01-9	Chrysene		59.0	118	236	U
53-70-3	Dibenz(a,h)anthracene		59.0	118	236	U
132-64-9	Dibenzofuran		59.0	118	236	U
84-74-2	Di-n-butylphthalate		59.0	118	236	U
91-94-1	3,3'-Dichlorobenzidine		59.0	118	236	U
120-83-2	2,4-Dichlorophenol		59.0	118	236	U
84-66-2	Diethylphthalate		59.0	118	236	U
105-67-9	2,4-Dimethylphenol		236	472	943	U
131-11-3	Dimethyl phthalate		59.0	118	236	U
534-52-1	4,6-Dinitro-2-methylphenol		236	472	943	U
51-28-5	2,4-Dinitrophenol		47.2	1180	2360	X, U
121-14-2	2,4-Dinitrotoluene		59.0	118	236	U
606-20-2	2,6-Dinitrotoluene		59.0	118	236	U
117-84-0	Di-n-octylphthalate		59.0	118	236	U

ANALYSIS DATA SHEET

GW0570

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-05	File ID:	0507005D.D
Sampled:	05/09/12 13:09	Prepared:	05/11/12 12:11	Analyzed:	05/15/12 14:43
Solids:		Preparation:	EXT_3510	Dilution:	50

Batch: 2E11005 Sequence: 2E13901 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		59.0	118	236	U
117-81-7	Bis(2-ethylhexyl)phthalate		59.0	118	236	U
206-44-0	Fluoranthene		59.0	118	236	U
86-73-7	Fluorene		59.0	118	236	U
118-74-1	Hexachlorobenzene		59.0	118	236	U
87-68-3	Hexachlorobutadiene		59.0	118	236	U
77-47-4	Hexachlorocyclopentadiene		59.0	118	236	U
67-72-1	Hexachloroethane		59.0	118	236	U
193-39-5	Indeno(1,2,3-cd)pyrene		59.0	118	236	U
78-59-1	Isophorone		59.0	118	236	U
90-12-0	1-Methylnaphthalene		59.0	118	236	U
91-57-6	2-Methylnaphthalene		59.0	118	236	U
95-48-7	2-Methylphenol		59.0	118	236	U
108-39-4/106	3-Methylphenol/4-Methylphenol		59.0	118	236	U
91-20-3	Naphthalene		59.0	118	236	U
100-01-6	4-Nitroaniline		236	472	943	U
99-09-2	3-Nitroaniline		236	472	943	U
88-74-4	2-Nitroaniline		236	472	943	U
98-95-3	Nitrobenzene		59.0	118	236	U
100-02-7	4-Nitrophenol		236	472	943	Q, X, U
88-75-5	2-Nitrophenol		59.0	118	236	U
86-30-6	N-Nitrosodiphenylamine		59.0	118	236	U
621-64-7	N-Nitroso-di-n-propylamine		59.0	118	236	U
87-86-5	Pentachlorophenol		236	472	943	U
85-01-8	Phenanthrene		59.0	118	236	U
108-95-2	Phenol		59.0	118	236	U
129-00-0	Pyrene		59.0	118	236	U
88-06-2	2,4,6-Trichlorophenol		59.0	118	236	U
95-95-4	2,4,5-Trichlorophenol		59.0	118	236	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	34.63	73.4	50 - 110	D
2-Fluorophenol	94.34	21.39	22.7	20 - 110	D
Nitrobenzene-d5	47.17	32.83	69.6	40 - 110	D
Phenol-d6	94.34	12.82	13.6	0 - 110	D
Terphenyl-d14	47.17	38.10	80.8	50 - 135	D
2,4,6-Tribromophenol	94.34	81.01	85.9	40 - 125	D

ANALYSIS DATA SHEET

GW0586

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-07	File ID:	0507007D.D
Sampled:	05/08/12 15:27	Prepared:	05/11/12 12:11	Analyzed:	05/15/12 15:10
Solids:		Preparation:	EXT_3510	Dilution:	50

Batch: 2E11005 Sequence: 2E13901 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		59.0	118	236	U
208-96-8	Acenaphthylene		59.0	118	236	U
98-86-2	Acetophenone	1920	59.0	118	236	Q, D
120-12-7	Anthracene		59.0	118	236	U
1912-24-9	Atrazine		59.0	118	236	Q, U
100-52-7	Benzaldehyde		59.0	118	236	U
92-87-5	Benzidine		590	1180	2360	Q, U
56-55-3	Benzo(a)anthracene		59.0	118	236	U
50-32-8	Benzo(a)pyrene		59.0	118	236	U
205-99-2	Benzo(b)fluoranthene		59.0	118	236	U
191-24-2	Benzo(g,h,i)perylene		59.0	118	236	U
65-85-0	Benzoic acid		590	1180	2360	U
207-08-9	Benzo(k)fluoranthene		59.0	118	236	U
92-52-4	1,1-Biphenyl		59.0	118	236	Q, U
101-55-3	4-Bromophenyl-phenylether		59.0	118	236	U
85-68-7	Butylbenzylphthalate		59.0	118	236	U
105-60-2	Caprolactam		59.0	118	236	Q, U
86-74-8	Carbazole		59.0	118	236	U
59-50-7	4-Chloro-3-methylphenol		59.0	118	236	U
106-47-8	4-Chloroaniline		59.0	118	236	U
111-91-1	Bis(2-chloroethoxy)methane		59.0	118	236	U
111-44-4	Bis(2-chloroethyl)ether		59.0	118	236	U
108-60-1	2,2'-Oxybis-1-chloropropane		59.0	118	236	U
91-58-7	2-Chloronaphthalene		59.0	118	236	U
95-57-8	2-Chlorophenol		59.0	118	236	U
7005-72-3	4-Chlorophenyl phenyl ether		59.0	118	236	U
218-01-9	Chrysene		59.0	118	236	U
53-70-3	Dibenz(a,h)anthracene		59.0	118	236	U
132-64-9	Dibenzofuran		59.0	118	236	U
84-74-2	Di-n-butylphthalate		59.0	118	236	U
91-94-1	3,3'-Dichlorobenzidine		59.0	118	236	U
120-83-2	2,4-Dichlorophenol		59.0	118	236	U
84-66-2	Diethylphthalate		59.0	118	236	U
105-67-9	2,4-Dimethylphenol		236	472	943	U
131-11-3	Dimethyl phthalate		59.0	118	236	U
534-52-1	4,6-Dinitro-2-methylphenol		236	472	943	U
51-28-5	2,4-Dinitrophenol		47.2	1180	2360	X, U
121-14-2	2,4-Dinitrotoluene		59.0	118	236	U
606-20-2	2,6-Dinitrotoluene		59.0	118	236	U
117-84-0	Di-n-octylphthalate		59.0	118	236	U

ANALYSIS DATA SHEET

GW0586

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-07	File ID:	0507007D.D
Sampled:	05/08/12 15:27	Prepared:	05/11/12 12:11	Analyzed:	05/15/12 15:10
Solids:		Preparation:	EXT_3510	Dilution:	50

Batch: 2E11005 Sequence: 2E13901 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		59.0	118	236	U
117-81-7	Bis(2-ethylhexyl)phthalate		59.0	118	236	U
206-44-0	Fluoranthene		59.0	118	236	U
86-73-7	Fluorene		59.0	118	236	U
118-74-1	Hexachlorobenzene		59.0	118	236	U
87-68-3	Hexachlorobutadiene		59.0	118	236	U
77-47-4	Hexachlorocyclopentadiene		59.0	118	236	U
67-72-1	Hexachloroethane		59.0	118	236	U
193-39-5	Indeno(1,2,3-cd)pyrene		59.0	118	236	U
78-59-1	Isophorone		59.0	118	236	U
90-12-0	1-Methylnaphthalene		59.0	118	236	U
91-57-6	2-Methylnaphthalene		59.0	118	236	U
95-48-7	2-Methylphenol		59.0	118	236	U
108-39-4/106	3-Methylphenol/4-Methylphenol		59.0	118	236	U
91-20-3	Naphthalene	85.8	59.0	118	236	J, D
100-01-6	4-Nitroaniline		236	472	943	U
99-09-2	3-Nitroaniline		236	472	943	U
88-74-4	2-Nitroaniline		236	472	943	U
98-95-3	Nitrobenzene		59.0	118	236	U
100-02-7	4-Nitrophenol		236	472	943	Q, X, U
88-75-5	2-Nitrophenol		59.0	118	236	U
86-30-6	N-Nitrosodiphenylamine		59.0	118	236	U
621-64-7	N-Nitroso-di-n-propylamine		59.0	118	236	U
87-86-5	Pentachlorophenol		236	472	943	U
85-01-8	Phenanthrene		59.0	118	236	U
108-95-2	Phenol		59.0	118	236	U
129-00-0	Pyrene		59.0	118	236	U
88-06-2	2,4,6-Trichlorophenol		59.0	118	236	U
95-95-4	2,4,5-Trichlorophenol		59.0	118	236	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	26.80	56.8	50 - 110	D
2-Fluorophenol	94.34	24.91	26.4	20 - 110	D
Nitrobenzene-d5	47.17	27.47	58.2	40 - 110	D
Phenol-d6	94.34	10.41	11.0	0 - 110	D
Terphenyl-d14	47.17	31.24	66.2	50 - 135	D
2,4,6-Tribromophenol	94.34	59.22	62.8	40 - 125	D

ANALYSIS DATA SHEET

GW0599

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-09	File ID:	0507009.D
Sampled:	05/09/12 09:59	Prepared:	05/11/12 12:11	Analyzed:	05/15/12 17:01
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E11005 Sequence: 2E13901 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.18	2.36	4.72	U
208-96-8	Acenaphthylene		1.18	2.36	4.72	U
98-86-2	Acetophenone		1.18	2.36	4.72	Q, U
120-12-7	Anthracene		1.18	2.36	4.72	U
1912-24-9	Atrazine		1.18	2.36	4.72	Q, U
100-52-7	Benzaldehyde		1.18	2.36	4.72	U
92-87-5	Benzidine		11.8	23.6	47.2	Q, U
56-55-3	Benzo(a)anthracene		1.18	2.36	4.72	U
50-32-8	Benzo(a)pyrene		1.18	2.36	4.72	U
205-99-2	Benzo(b)fluoranthene		1.18	2.36	4.72	U
191-24-2	Benzo(g,h,i)perylene		1.18	2.36	4.72	U
65-85-0	Benzoic acid		11.8	23.6	47.2	U
207-08-9	Benzo(k)fluoranthene		1.18	2.36	4.72	U
92-52-4	1,1-Biphenyl		1.18	2.36	4.72	Q, U
101-55-3	4-Bromophenyl-phenylether		1.18	2.36	4.72	U
85-68-7	Butylbenzylphthalate		1.18	2.36	4.72	U
105-60-2	Caprolactam		1.18	2.36	4.72	Q, U
86-74-8	Carbazole		1.18	2.36	4.72	U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	U
218-01-9	Chrysene		1.18	2.36	4.72	U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	U
132-64-9	Dibenzofuran		1.18	2.36	4.72	U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	U
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	U
84-66-2	Diethylphthalate		1.18	2.36	4.72	U
105-67-9	2,4-Dimethylphenol		4.72	9.43	18.9	U
131-11-3	Dimethyl phthalate		1.18	2.36	4.72	U
534-52-1	4,6-Dinitro-2-methylphenol		4.72	9.43	18.9	U
51-28-5	2,4-Dinitrophenol		0.943	23.6	47.2	X, U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	U
606-20-2	2,6-Dinitrotoluene		1.18	2.36	4.72	U
117-84-0	Di-n-octylphthalate		1.18	2.36	4.72	U

ANALYSIS DATA SHEET

GW0599

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-09	File ID:	0507009.D
Sampled:	05/09/12 09:59	Prepared:	05/11/12 12:11	Analyzed:	05/15/12 17:01
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E11005 Sequence: 2E13901 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.18	2.36	4.72	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.18	2.36	4.72	U
206-44-0	Fluoranthene		1.18	2.36	4.72	U
86-73-7	Fluorene		1.18	2.36	4.72	U
118-74-1	Hexachlorobenzene		1.18	2.36	4.72	U
87-68-3	Hexachlorobutadiene		1.18	2.36	4.72	U
77-47-4	Hexachlorocyclopentadiene		1.18	2.36	4.72	U
67-72-1	Hexachloroethane		1.18	2.36	4.72	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.18	2.36	4.72	U
78-59-1	Isophorone		1.18	2.36	4.72	U
90-12-0	1-Methylnaphthalene		1.18	2.36	4.72	U
91-57-6	2-Methylnaphthalene		1.18	2.36	4.72	U
95-48-7	2-Methylphenol		1.18	2.36	4.72	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.18	2.36	4.72	U
91-20-3	Naphthalene		1.18	2.36	4.72	U
100-01-6	4-Nitroaniline		4.72	9.43	18.9	U
99-09-2	3-Nitroaniline		4.72	9.43	18.9	U
88-74-4	2-Nitroaniline		4.72	9.43	18.9	U
98-95-3	Nitrobenzene		1.18	2.36	4.72	U
100-02-7	4-Nitrophenol		4.72	9.43	18.9	Q, X, U
88-75-5	2-Nitrophenol		1.18	2.36	4.72	U
86-30-6	N-Nitrosodiphenylamine		1.18	2.36	4.72	U
621-64-7	N-Nitroso-di-n-propylamine		1.18	2.36	4.72	U
87-86-5	Pentachlorophenol		4.72	9.43	18.9	U
85-01-8	Phenanthrene		1.18	2.36	4.72	U
108-95-2	Phenol		1.18	2.36	4.72	U
129-00-0	Pyrene		1.18	2.36	4.72	U
88-06-2	2,4,6-Trichlorophenol		1.18	2.36	4.72	U
95-95-4	2,4,5-Trichlorophenol		1.18	2.36	4.72	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	25.89	54.9	50 - 110	
2-Fluorophenol	94.34	18.81	19.9	20 - 110	*
Nitrobenzene-d5	47.17	29.18	61.9	40 - 110	
Phenol-d6	94.34	11.01	11.7	0 - 110	
Terphenyl-d14	47.17	25.66	54.4	50 - 135	
2,4,6-Tribromophenol	94.34	56.61	60.0	40 - 125	

ANALYSIS DATA SHEET

GW0600

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-11	File ID:	0507011.D
Sampled:	05/09/12 09:59	Prepared:	05/11/12 12:11	Analyzed:	05/15/12 17:28
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E11005 Sequence: 2E13901 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.17	2.34	4.67	U
208-96-8	Acenaphthylene		1.17	2.34	4.67	U
98-86-2	Acetophenone		1.17	2.34	4.67	Q, U
120-12-7	Anthracene		1.17	2.34	4.67	U
1912-24-9	Atrazine		1.17	2.34	4.67	Q, U
100-52-7	Benzaldehyde		1.17	2.34	4.67	U
92-87-5	Benzidine		11.7	23.4	46.7	Q, U
56-55-3	Benzo(a)anthracene		1.17	2.34	4.67	U
50-32-8	Benzo(a)pyrene		1.17	2.34	4.67	U
205-99-2	Benzo(b)fluoranthene		1.17	2.34	4.67	U
191-24-2	Benzo(g,h,i)perylene		1.17	2.34	4.67	U
65-85-0	Benzoic acid		11.7	23.4	46.7	U
207-08-9	Benzo(k)fluoranthene		1.17	2.34	4.67	U
92-52-4	1,1-Biphenyl		1.17	2.34	4.67	Q, U
101-55-3	4-Bromophenyl-phenylether		1.17	2.34	4.67	U
85-68-7	Butylbenzylphthalate		1.17	2.34	4.67	U
105-60-2	Caprolactam		1.17	2.34	4.67	Q, U
86-74-8	Carbazole		1.17	2.34	4.67	U
59-50-7	4-Chloro-3-methylphenol		1.17	2.34	4.67	U
106-47-8	4-Chloroaniline		1.17	2.34	4.67	U
111-91-1	Bis(2-chloroethoxy)methane		1.17	2.34	4.67	U
111-44-4	Bis(2-chloroethyl)ether		1.17	2.34	4.67	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.17	2.34	4.67	U
91-58-7	2-Chloronaphthalene		1.17	2.34	4.67	U
95-57-8	2-Chlorophenol		1.17	2.34	4.67	U
7005-72-3	4-Chlorophenyl phenyl ether		1.17	2.34	4.67	U
218-01-9	Chrysene		1.17	2.34	4.67	U
53-70-3	Dibenz(a,h)anthracene		1.17	2.34	4.67	U
132-64-9	Dibenzofuran		1.17	2.34	4.67	U
84-74-2	Di-n-butylphthalate		1.17	2.34	4.67	U
91-94-1	3,3'-Dichlorobenzidine		1.17	2.34	4.67	U
120-83-2	2,4-Dichlorophenol		1.17	2.34	4.67	U
84-66-2	Diethylphthalate		1.17	2.34	4.67	U
105-67-9	2,4-Dimethylphenol		4.67	9.35	18.7	U
131-11-3	Dimethyl phthalate		1.17	2.34	4.67	U
534-52-1	4,6-Dinitro-2-methylphenol		4.67	9.35	18.7	U
51-28-5	2,4-Dinitrophenol		0.935	23.4	46.7	X, U
121-14-2	2,4-Dinitrotoluene		1.17	2.34	4.67	U
606-20-2	2,6-Dinitrotoluene		1.17	2.34	4.67	U
117-84-0	Di-n-octylphthalate		1.17	2.34	4.67	U

ANALYSIS DATA SHEET

GW0600

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-11	File ID:	0507011.D
Sampled:	05/09/12 09:59	Prepared:	05/11/12 12:11	Analyzed:	05/15/12 17:28
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E11005 Sequence: 2E13901 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.17	2.34	4.67	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.17	2.34	4.67	U
206-44-0	Fluoranthene		1.17	2.34	4.67	U
86-73-7	Fluorene		1.17	2.34	4.67	U
118-74-1	Hexachlorobenzene		1.17	2.34	4.67	U
87-68-3	Hexachlorobutadiene		1.17	2.34	4.67	U
77-47-4	Hexachlorocyclopentadiene		1.17	2.34	4.67	U
67-72-1	Hexachloroethane		1.17	2.34	4.67	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.17	2.34	4.67	U
78-59-1	Isophorone		1.17	2.34	4.67	U
90-12-0	1-Methylnaphthalene		1.17	2.34	4.67	U
91-57-6	2-Methylnaphthalene		1.17	2.34	4.67	U
95-48-7	2-Methylphenol		1.17	2.34	4.67	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.17	2.34	4.67	U
91-20-3	Naphthalene		1.17	2.34	4.67	U
100-01-6	4-Nitroaniline		4.67	9.35	18.7	U
99-09-2	3-Nitroaniline		4.67	9.35	18.7	U
88-74-4	2-Nitroaniline		4.67	9.35	18.7	U
98-95-3	Nitrobenzene		1.17	2.34	4.67	U
100-02-7	4-Nitrophenol		4.67	9.35	18.7	Q, X, U
88-75-5	2-Nitrophenol		1.17	2.34	4.67	U
86-30-6	N-Nitrosodiphenylamine		1.17	2.34	4.67	U
621-64-7	N-Nitroso-di-n-propylamine		1.17	2.34	4.67	U
87-86-5	Pentachlorophenol		4.67	9.35	18.7	U
85-01-8	Phenanthrene		1.17	2.34	4.67	U
108-95-2	Phenol		1.17	2.34	4.67	U
129-00-0	Pyrene		1.17	2.34	4.67	U
88-06-2	2,4,6-Trichlorophenol		1.17	2.34	4.67	U
95-95-4	2,4,5-Trichlorophenol		1.17	2.34	4.67	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.73	39.10	83.7	50 - 110	
2-Fluorophenol	93.46	30.38	32.5	20 - 110	
Nitrobenzene-d5	46.73	41.06	87.9	40 - 110	
Phenol-d6	93.46	15.96	17.1	0 - 110	
Terphenyl-d14	46.73	39.67	84.9	50 - 135	
2,4,6-Tribromophenol	93.46	86.91	93.0	40 - 125	

ANALYSIS DATA SHEET

GW0609

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-13	File ID:	0507013.D
Sampled:	05/08/12 15:01	Prepared:	05/11/12 12:11	Analyzed:	05/15/12 17:55
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E11005 Sequence: 2E13901 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	U
98-86-2	Acetophenone		1.23	2.45	4.90	Q, U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	Q, U
100-52-7	Benzaldehyde		1.23	2.45	4.90	U
92-87-5	Benzidine		12.3	24.5	49.0	Q, U
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	U
65-85-0	Benzoic acid		12.3	24.5	49.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	Q, U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	U
105-60-2	Caprolactam		1.23	2.45	4.90	Q, U
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	U
218-01-9	Chrysene		1.23	2.45	4.90	U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	U
51-28-5	2,4-Dinitrophenol		0.980	24.5	49.0	X, U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	U

ANALYSIS DATA SHEET

GW0609

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-13	File ID:	0507013.D
Sampled:	05/08/12 15:01	Prepared:	05/11/12 12:11	Analyzed:	05/15/12 17:55
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E11005 Sequence: 2E13901 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.23	2.45	4.90	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.23	2.45	4.90	U
206-44-0	Fluoranthene		1.23	2.45	4.90	U
86-73-7	Fluorene		1.23	2.45	4.90	U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	U
87-68-3	Hexachlorobutadiene		1.23	2.45	4.90	U
77-47-4	Hexachlorocyclopentadiene		1.23	2.45	4.90	U
67-72-1	Hexachloroethane		1.23	2.45	4.90	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.23	2.45	4.90	U
78-59-1	Isophorone		1.23	2.45	4.90	U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	U
95-48-7	2-Methylphenol		1.23	2.45	4.90	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	U
91-20-3	Naphthalene		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	Q, X, U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	44.78	91.3	50 - 110	
2-Fluorophenol	98.04	29.14	29.7	20 - 110	
Nitrobenzene-d5	49.02	47.13	96.1	40 - 110	
Phenol-d6	98.04	16.46	16.8	0 - 110	
Terphenyl-d14	49.02	40.33	82.3	50 - 135	
2,4,6-Tribromophenol	98.04	79.57	81.2	40 - 125	

ANALYSIS DATA SHEET

GW0508

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-01RE1	File ID:	0508001.D
Sampled:	05/09/12 15:58	Prepared:	05/14/12 10:52	Analyzed:	05/21/12 08:41
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E14006 Sequence: 2E14302 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.20	2.40	4.81	U
208-96-8	Acenaphthylene		1.20	2.40	4.81	U
98-86-2	Acetophenone	79.4	1.20	2.40	4.81	
120-12-7	Anthracene		1.20	2.40	4.81	U
1912-24-9	Atrazine		1.20	2.40	4.81	U
100-52-7	Benzaldehyde		1.20	2.40	4.81	U
92-87-5	Benzidine		12.0	24.0	48.1	U
56-55-3	Benzo(a)anthracene		1.20	2.40	4.81	U
50-32-8	Benzo(a)pyrene		1.20	2.40	4.81	U
205-99-2	Benzo(b)fluoranthene		1.20	2.40	4.81	U
191-24-2	Benzo(g,h,i)perylene		1.20	2.40	4.81	U
65-85-0	Benzoic acid		12.0	24.0	48.1	U
207-08-9	Benzo(k)fluoranthene		1.20	2.40	4.81	U
92-52-4	1,1-Biphenyl		1.20	2.40	4.81	U
101-55-3	4-Bromophenyl-phenylether		1.20	2.40	4.81	U
85-68-7	Butylbenzylphthalate		1.20	2.40	4.81	U
105-60-2	Caprolactam		1.20	2.40	4.81	Q, U
86-74-8	Carbazole		1.20	2.40	4.81	U
59-50-7	4-Chloro-3-methylphenol		1.20	2.40	4.81	U
106-47-8	4-Chloroaniline		1.20	2.40	4.81	U
111-91-1	Bis(2-chloroethoxy)methane		1.20	2.40	4.81	U
111-44-4	Bis(2-chloroethyl)ether		1.20	2.40	4.81	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.20	2.40	4.81	U
91-58-7	2-Chloronaphthalene		1.20	2.40	4.81	U
95-57-8	2-Chlorophenol		1.20	2.40	4.81	U
7005-72-3	4-Chlorophenyl phenyl ether		1.20	2.40	4.81	U
218-01-9	Chrysene		1.20	2.40	4.81	U
53-70-3	Dibenz(a,h)anthracene		1.20	2.40	4.81	U
132-64-9	Dibenzofuran		1.20	2.40	4.81	U
84-74-2	Di-n-butylphthalate		1.20	2.40	4.81	U
91-94-1	3,3'-Dichlorobenzidine		1.20	2.40	4.81	U
120-83-2	2,4-Dichlorophenol		1.20	2.40	4.81	U
84-66-2	Diethylphthalate		1.20	2.40	4.81	U
105-67-9	2,4-Dimethylphenol	104	4.81	9.62	19.2	E
131-11-3	Dimethyl phthalate		1.20	2.40	4.81	U
534-52-1	4,6-Dinitro-2-methylphenol		4.81	9.62	19.2	U
51-28-5	2,4-Dinitrophenol		0.962	24.0	48.1	U
121-14-2	2,4-Dinitrotoluene		1.20	2.40	4.81	U
606-20-2	2,6-Dinitrotoluene		1.20	2.40	4.81	U
117-84-0	Di-n-octylphthalate		1.20	2.40	4.81	U

ANALYSIS DATA SHEET

GW0508

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-01RE1	File ID:	0508001.D
Sampled:	05/09/12 15:58	Prepared:	05/14/12 10:52	Analyzed:	05/21/12 08:41
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E14006 Sequence: 2E14302 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.20	2.40	4.81	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.20	2.40	4.81	U
206-44-0	Fluoranthene		1.20	2.40	4.81	U
86-73-7	Fluorene		1.20	2.40	4.81	U
118-74-1	Hexachlorobenzene		1.20	2.40	4.81	U
87-68-3	Hexachlorobutadiene		1.20	2.40	4.81	U
77-47-4	Hexachlorocyclopentadiene		1.20	2.40	4.81	U
67-72-1	Hexachloroethane		1.20	2.40	4.81	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.20	2.40	4.81	U
78-59-1	Isophorone		1.20	2.40	4.81	U
90-12-0	1-Methylnaphthalene	22.3	1.20	2.40	4.81	
91-57-6	2-Methylnaphthalene	18.0	1.20	2.40	4.81	
95-48-7	2-Methylphenol	39.2	1.20	2.40	4.81	
108-39-4/106	3-Methylphenol/4-Methylphenol		1.20	2.40	4.81	U
91-20-3	Naphthalene	21.5	1.20	2.40	4.81	
100-01-6	4-Nitroaniline		4.81	9.62	19.2	U
99-09-2	3-Nitroaniline		4.81	9.62	19.2	U
88-74-4	2-Nitroaniline		4.81	9.62	19.2	U
98-95-3	Nitrobenzene		1.20	2.40	4.81	U
100-02-7	4-Nitrophenol		4.81	9.62	19.2	U
88-75-5	2-Nitrophenol		1.20	2.40	4.81	U
86-30-6	N-Nitrosodiphenylamine		1.20	2.40	4.81	U
621-64-7	N-Nitroso-di-n-propylamine		1.20	2.40	4.81	U
87-86-5	Pentachlorophenol		4.81	9.62	19.2	U
85-01-8	Phenanthrene		1.20	2.40	4.81	U
108-95-2	Phenol	5.02	1.20	2.40	4.81	
129-00-0	Pyrene		1.20	2.40	4.81	U
88-06-2	2,4,6-Trichlorophenol		1.20	2.40	4.81	U
95-95-4	2,4,5-Trichlorophenol		1.20	2.40	4.81	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	34.71	72.2	50 - 110	
2-Fluorophenol	96.15	28.60	29.7	20 - 110	
Nitrobenzene-d5	48.08	43.96	91.4	40 - 110	
Phenol-d6	96.15	16.91	17.6	0 - 110	
Terphenyl-d14	48.08	39.20	81.5	50 - 135	
2,4,6-Tribromophenol	96.15	79.03	82.2	40 - 125	

ANALYSIS DATA SHEET

GW0508

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-01RE2	File ID:	0508001.D
Sampled:	05/09/12 15:58	Prepared:	05/14/12 10:52	Analyzed:	05/29/12 19:23
Solids:		Preparation:	EXT_3510	Dilution:	2

Batch: 2E14006 Sequence: 2E15109 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		2.40	4.81	9.62	U
208-96-8	Acenaphthylene		2.40	4.81	9.62	U
98-86-2	Acetophenone	86.8	2.40	4.81	9.62	D
120-12-7	Anthracene		2.40	4.81	9.62	U
1912-24-9	Atrazine		2.40	4.81	9.62	U
100-52-7	Benzaldehyde		2.40	4.81	9.62	U
92-87-5	Benzidine		24.0	48.1	96.2	U
56-55-3	Benzo(a)anthracene		2.40	4.81	9.62	U
50-32-8	Benzo(a)pyrene		2.40	4.81	9.62	U
205-99-2	Benzo(b)fluoranthene		2.40	4.81	9.62	U
191-24-2	Benzo(g,h,i)perylene		2.40	4.81	9.62	U
65-85-0	Benzoic acid		24.0	48.1	96.2	U
207-08-9	Benzo(k)fluoranthene		2.40	4.81	9.62	U
92-52-4	1,1-Biphenyl		2.40	4.81	9.62	U
101-55-3	4-Bromophenyl-phenylether		2.40	4.81	9.62	U
85-68-7	Butylbenzylphthalate		2.40	4.81	9.62	U
105-60-2	Caprolactam		2.40	4.81	9.62	Q, X, U
86-74-8	Carbazole		2.40	4.81	9.62	U
59-50-7	4-Chloro-3-methylphenol		2.40	4.81	9.62	U
106-47-8	4-Chloroaniline		2.40	4.81	9.62	U
111-91-1	Bis(2-chloroethoxy)methane		2.40	4.81	9.62	U
111-44-4	Bis(2-chloroethyl)ether		2.40	4.81	9.62	U
108-60-1	2,2'-Oxybis-1-chloropropane		2.40	4.81	9.62	U
91-58-7	2-Chloronaphthalene		2.40	4.81	9.62	U
95-57-8	2-Chlorophenol		2.40	4.81	9.62	U
7005-72-3	4-Chlorophenyl phenyl ether		2.40	4.81	9.62	U
218-01-9	Chrysene		2.40	4.81	9.62	U
53-70-3	Dibenz(a,h)anthracene		2.40	4.81	9.62	U
132-64-9	Dibenzofuran		2.40	4.81	9.62	U
84-74-2	Di-n-butylphthalate		2.40	4.81	9.62	U
91-94-1	3,3'-Dichlorobenzidine		2.40	4.81	9.62	U
120-83-2	2,4-Dichlorophenol		2.40	4.81	9.62	U
84-66-2	Diethylphthalate		2.40	4.81	9.62	U
105-67-9	2,4-Dimethylphenol	112	9.62	19.2	38.5	D
131-11-3	Dimethyl phthalate		2.40	4.81	9.62	U
534-52-1	4,6-Dinitro-2-methylphenol		9.62	19.2	38.5	X, U
51-28-5	2,4-Dinitrophenol		1.92	48.1	96.2	X, U
121-14-2	2,4-Dinitrotoluene		2.40	4.81	9.62	U
606-20-2	2,6-Dinitrotoluene		2.40	4.81	9.62	U
117-84-0	Di-n-octylphthalate		2.40	4.81	9.62	U

ANALYSIS DATA SHEET

GW0508

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-01RE2	File ID:	0508001.D
Sampled:	05/09/12 15:58	Prepared:	05/14/12 10:52	Analyzed:	05/29/12 19:23
Solids:		Preparation:	EXT_3510	Dilution:	2

Batch: 2E14006 Sequence: 2E15109 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		2.40	4.81	9.62	U
117-81-7	Bis(2-ethylhexyl)phthalate		2.40	4.81	9.62	U
206-44-0	Fluoranthene		2.40	4.81	9.62	U
86-73-7	Fluorene		2.40	4.81	9.62	U
118-74-1	Hexachlorobenzene		2.40	4.81	9.62	U
87-68-3	Hexachlorobutadiene		2.40	4.81	9.62	U
77-47-4	Hexachlorocyclopentadiene		2.40	4.81	9.62	X, U
67-72-1	Hexachloroethane		2.40	4.81	9.62	U
193-39-5	Indeno(1,2,3-cd)pyrene		2.40	4.81	9.62	U
78-59-1	Isophorone		2.40	4.81	9.62	U
90-12-0	1-Methylnaphthalene	22.8	2.40	4.81	9.62	D
91-57-6	2-Methylnaphthalene	18.3	2.40	4.81	9.62	D
95-48-7	2-Methylphenol	44.1	2.40	4.81	9.62	D
108-39-4/106	3-Methylphenol/4-Methylphenol		2.40	4.81	9.62	U
91-20-3	Naphthalene	21.9	2.40	4.81	9.62	D
100-01-6	4-Nitroaniline		9.62	19.2	38.5	U
99-09-2	3-Nitroaniline		9.62	19.2	38.5	U
88-74-4	2-Nitroaniline		9.62	19.2	38.5	U
98-95-3	Nitrobenzene		2.40	4.81	9.62	U
100-02-7	4-Nitrophenol		9.62	19.2	38.5	U
88-75-5	2-Nitrophenol		2.40	4.81	9.62	U
86-30-6	N-Nitrosodiphenylamine		2.40	4.81	9.62	U
621-64-7	N-Nitroso-di-n-propylamine		2.40	4.81	9.62	U
87-86-5	Pentachlorophenol		9.62	19.2	38.5	U
85-01-8	Phenanthrene		2.40	4.81	9.62	U
108-95-2	Phenol	5.83	2.40	4.81	9.62	J, D
129-00-0	Pyrene		2.40	4.81	9.62	U
88-06-2	2,4,6-Trichlorophenol		2.40	4.81	9.62	U
95-95-4	2,4,5-Trichlorophenol		2.40	4.81	9.62	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	37.34	77.7	50 - 110	
2-Fluorophenol	96.15	32.69	34.0	20 - 110	
Nitrobenzene-d5	48.08	46.92	97.6	40 - 110	X
Phenol-d6	96.15	19.60	20.4	0 - 110	
Terphenyl-d14	48.08	40.52	84.3	50 - 135	
2,4,6-Tribromophenol	96.15	92.20	95.9	40 - 125	X

ANALYSIS DATA SHEET

GW0509

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-03	File ID:	0508003.D
Sampled:	05/10/12 11:21	Prepared:	05/14/12 10:52	Analyzed:	05/18/12 17:26
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E14006 Sequence: 2E14201 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.18	2.36	4.72	U
208-96-8	Acenaphthylene		1.18	2.36	4.72	U
98-86-2	Acetophenone	5.55	1.18	2.36	4.72	
120-12-7	Anthracene		1.18	2.36	4.72	U
1912-24-9	Atrazine		1.18	2.36	4.72	U
100-52-7	Benzaldehyde		1.18	2.36	4.72	U
92-87-5	Benzidine		11.8	23.6	47.2	U
56-55-3	Benzo(a)anthracene		1.18	2.36	4.72	U
50-32-8	Benzo(a)pyrene		1.18	2.36	4.72	U
205-99-2	Benzo(b)fluoranthene		1.18	2.36	4.72	U
191-24-2	Benzo(g,h,i)perylene		1.18	2.36	4.72	U
65-85-0	Benzoic acid		11.8	23.6	47.2	U
207-08-9	Benzo(k)fluoranthene		1.18	2.36	4.72	U
92-52-4	1,1-Biphenyl		1.18	2.36	4.72	U
101-55-3	4-Bromophenyl-phenylether		1.18	2.36	4.72	U
85-68-7	Butylbenzylphthalate		1.18	2.36	4.72	U
105-60-2	Caprolactam		1.18	2.36	4.72	Q, U
86-74-8	Carbazole		1.18	2.36	4.72	U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	U
218-01-9	Chrysene		1.18	2.36	4.72	U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	U
132-64-9	Dibenzofuran		1.18	2.36	4.72	U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	U
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	U
84-66-2	Diethylphthalate		1.18	2.36	4.72	U
105-67-9	2,4-Dimethylphenol		4.72	9.43	18.9	U
131-11-3	Dimethyl phthalate		1.18	2.36	4.72	U
534-52-1	4,6-Dinitro-2-methylphenol		4.72	9.43	18.9	X, U
51-28-5	2,4-Dinitrophenol		0.943	23.6	47.2	X, U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	U
606-20-2	2,6-Dinitrotoluene		1.18	2.36	4.72	U
117-84-0	Di-n-octylphthalate		1.18	2.36	4.72	U

ANALYSIS DATA SHEET

GW0509

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-03	File ID:	0508003.D
Sampled:	05/10/12 11:21	Prepared:	05/14/12 10:52	Analyzed:	05/18/12 17:26
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E14006 Sequence: 2E14201 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.18	2.36	4.72	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.18	2.36	4.72	U
206-44-0	Fluoranthene		1.18	2.36	4.72	U
86-73-7	Fluorene		1.18	2.36	4.72	U
118-74-1	Hexachlorobenzene		1.18	2.36	4.72	U
87-68-3	Hexachlorobutadiene		1.18	2.36	4.72	U
77-47-4	Hexachlorocyclopentadiene		1.18	2.36	4.72	U
67-72-1	Hexachloroethane		1.18	2.36	4.72	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.18	2.36	4.72	U
78-59-1	Isophorone		1.18	2.36	4.72	U
90-12-0	1-Methylnaphthalene		1.18	2.36	4.72	U
91-57-6	2-Methylnaphthalene		1.18	2.36	4.72	U
95-48-7	2-Methylphenol		1.18	2.36	4.72	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.18	2.36	4.72	U
91-20-3	Naphthalene	2.73	1.18	2.36	4.72	J
100-01-6	4-Nitroaniline		4.72	9.43	18.9	U
99-09-2	3-Nitroaniline		4.72	9.43	18.9	U
88-74-4	2-Nitroaniline		4.72	9.43	18.9	U
98-95-3	Nitrobenzene		1.18	2.36	4.72	U
100-02-7	4-Nitrophenol		4.72	9.43	18.9	U
88-75-5	2-Nitrophenol		1.18	2.36	4.72	U
86-30-6	N-Nitrosodiphenylamine		1.18	2.36	4.72	U
621-64-7	N-Nitroso-di-n-propylamine		1.18	2.36	4.72	U
87-86-5	Pentachlorophenol		4.72	9.43	18.9	U
85-01-8	Phenanthrene		1.18	2.36	4.72	U
108-95-2	Phenol		1.18	2.36	4.72	U
129-00-0	Pyrene		1.18	2.36	4.72	U
88-06-2	2,4,6-Trichlorophenol		1.18	2.36	4.72	U
95-95-4	2,4,5-Trichlorophenol		1.18	2.36	4.72	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	40.12	85.0	50 - 110	
2-Fluorophenol	94.34	28.94	30.7	20 - 110	
Nitrobenzene-d5	47.17	41.90	88.8	40 - 110	
Phenol-d6	94.34	16.72	17.7	0 - 110	
Terphenyl-d14	47.17	48.24	102	50 - 135	
2,4,6-Tribromophenol	94.34	76.25	80.8	40 - 125	

ANALYSIS DATA SHEET

GW0513

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-05	File ID:	0508005D.D
Sampled:	05/09/12 15:48	Prepared:	05/14/12 10:52	Analyzed:	05/19/12 00:40
Solids:		Preparation:	EXT_3510	Dilution:	50

Batch: 2E14006 Sequence: 2E14201 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		59.0	118	236	U
208-96-8	Acenaphthylene		59.0	118	236	U
98-86-2	Acetophenone	409	59.0	118	236	D
120-12-7	Anthracene		59.0	118	236	U
1912-24-9	Atrazine		59.0	118	236	U
100-52-7	Benzaldehyde		59.0	118	236	U
92-87-5	Benzidine		590	1180	2360	U
56-55-3	Benzo(a)anthracene		59.0	118	236	U
50-32-8	Benzo(a)pyrene		59.0	118	236	U
205-99-2	Benzo(b)fluoranthene		59.0	118	236	U
191-24-2	Benzo(g,h,i)perylene		59.0	118	236	U
65-85-0	Benzoic acid		590	1180	2360	U
207-08-9	Benzo(k)fluoranthene		59.0	118	236	U
92-52-4	1,1-Biphenyl		59.0	118	236	U
101-55-3	4-Bromophenyl-phenylether		59.0	118	236	U
85-68-7	Butylbenzylphthalate		59.0	118	236	U
105-60-2	Caprolactam		59.0	118	236	Q, U
86-74-8	Carbazole		59.0	118	236	U
59-50-7	4-Chloro-3-methylphenol		59.0	118	236	U
106-47-8	4-Chloroaniline		59.0	118	236	U
111-91-1	Bis(2-chloroethoxy)methane		59.0	118	236	U
111-44-4	Bis(2-chloroethyl)ether		59.0	118	236	U
108-60-1	2,2'-Oxybis-1-chloropropane		59.0	118	236	U
91-58-7	2-Chloronaphthalene		59.0	118	236	U
95-57-8	2-Chlorophenol		59.0	118	236	U
7005-72-3	4-Chlorophenyl phenyl ether		59.0	118	236	U
218-01-9	Chrysene		59.0	118	236	U
53-70-3	Dibenz(a,h)anthracene		59.0	118	236	U
132-64-9	Dibenzofuran		59.0	118	236	U
84-74-2	Di-n-butylphthalate		59.0	118	236	U
91-94-1	3,3'-Dichlorobenzidine		59.0	118	236	U
120-83-2	2,4-Dichlorophenol		59.0	118	236	U
84-66-2	Diethylphthalate		59.0	118	236	U
105-67-9	2,4-Dimethylphenol		236	472	943	U
131-11-3	Dimethyl phthalate		59.0	118	236	U
534-52-1	4,6-Dinitro-2-methylphenol		236	472	943	X, U
51-28-5	2,4-Dinitrophenol		47.2	1180	2360	X, U
121-14-2	2,4-Dinitrotoluene		59.0	118	236	U
606-20-2	2,6-Dinitrotoluene		59.0	118	236	U
117-84-0	Di-n-octylphthalate		59.0	118	236	U

ANALYSIS DATA SHEET

GW0513

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-05	File ID:	0508005D.D
Sampled:	05/09/12 15:48	Prepared:	05/14/12 10:52	Analyzed:	05/19/12 00:40
Solids:		Preparation:	EXT_3510	Dilution:	50

Batch: 2E14006 Sequence: 2E14201 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		59.0	118	236	U
117-81-7	Bis(2-ethylhexyl)phthalate		59.0	118	236	U
206-44-0	Fluoranthene		59.0	118	236	U
86-73-7	Fluorene		59.0	118	236	U
118-74-1	Hexachlorobenzene		59.0	118	236	U
87-68-3	Hexachlorobutadiene		59.0	118	236	U
77-47-4	Hexachlorocyclopentadiene		59.0	118	236	U
67-72-1	Hexachloroethane		59.0	118	236	U
193-39-5	Indeno(1,2,3-cd)pyrene		59.0	118	236	U
78-59-1	Isophorone		59.0	118	236	U
90-12-0	1-Methylnaphthalene		59.0	118	236	U
91-57-6	2-Methylnaphthalene		59.0	118	236	U
95-48-7	2-Methylphenol	107	59.0	118	236	J, D
108-39-4/106	3-Methylphenol/4-Methylphenol		59.0	118	236	U
91-20-3	Naphthalene	109	59.0	118	236	J, D
100-01-6	4-Nitroaniline		236	472	943	U
99-09-2	3-Nitroaniline		236	472	943	U
88-74-4	2-Nitroaniline		236	472	943	U
98-95-3	Nitrobenzene		59.0	118	236	U
100-02-7	4-Nitrophenol		236	472	943	U
88-75-5	2-Nitrophenol		59.0	118	236	U
86-30-6	N-Nitrosodiphenylamine		59.0	118	236	U
621-64-7	N-Nitroso-di-n-propylamine		59.0	118	236	U
87-86-5	Pentachlorophenol		236	472	943	U
85-01-8	Phenanthrene		59.0	118	236	U
108-95-2	Phenol		59.0	118	236	U
129-00-0	Pyrene		59.0	118	236	U
88-06-2	2,4,6-Trichlorophenol		59.0	118	236	U
95-95-4	2,4,5-Trichlorophenol		59.0	118	236	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	37.83	80.2	50 - 110	D
2-Fluorophenol	94.34	29.51	31.3	20 - 110	D
Nitrobenzene-d5	47.17	37.69	79.9	40 - 110	D
Phenol-d6	94.34	16.07	17.0	0 - 110	D
Terphenyl-d14	47.17	40.29	85.4	50 - 135	D
2,4,6-Tribromophenol	94.34	65.02	68.9	40 - 125	D

ANALYSIS DATA SHEET

GW0583

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-07	File ID:	0508007D.D
Sampled:	05/10/12 15:38	Prepared:	05/14/12 10:52	Analyzed:	05/19/12 01:07
Solids:		Preparation:	EXT_3510	Dilution:	200

Batch: 2E14006 Sequence: 2E14201 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		250	500	1000	U
208-96-8	Acenaphthylene		250	500	1000	U
98-86-2	Acetophenone	25700	250	500	1000	D, E
120-12-7	Anthracene		250	500	1000	U
1912-24-9	Atrazine		250	500	1000	U
100-52-7	Benzaldehyde		250	500	1000	U
92-87-5	Benzidine		2500	5000	10000	U
56-55-3	Benzo(a)anthracene		250	500	1000	U
50-32-8	Benzo(a)pyrene		250	500	1000	U
205-99-2	Benzo(b)fluoranthene		250	500	1000	U
191-24-2	Benzo(g,h,i)perylene		250	500	1000	U
65-85-0	Benzoic acid		2500	5000	10000	U
207-08-9	Benzo(k)fluoranthene		250	500	1000	U
92-52-4	1,1-Biphenyl		250	500	1000	U
101-55-3	4-Bromophenyl-phenylether		250	500	1000	U
85-68-7	Butylbenzylphthalate		250	500	1000	U
105-60-2	Caprolactam		250	500	1000	Q, U
86-74-8	Carbazole		250	500	1000	U
59-50-7	4-Chloro-3-methylphenol		250	500	1000	U
106-47-8	4-Chloroaniline		250	500	1000	U
111-91-1	Bis(2-chloroethoxy)methane		250	500	1000	U
111-44-4	Bis(2-chloroethyl)ether		250	500	1000	U
108-60-1	2,2'-Oxybis-1-chloropropane		250	500	1000	U
91-58-7	2-Chloronaphthalene		250	500	1000	U
95-57-8	2-Chlorophenol		250	500	1000	U
7005-72-3	4-Chlorophenyl phenyl ether		250	500	1000	U
218-01-9	Chrysene		250	500	1000	U
53-70-3	Dibenz(a,h)anthracene		250	500	1000	U
132-64-9	Dibenzofuran		250	500	1000	U
84-74-2	Di-n-butylphthalate		250	500	1000	U
91-94-1	3,3'-Dichlorobenzidine		250	500	1000	U
120-83-2	2,4-Dichlorophenol		250	500	1000	U
84-66-2	Diethylphthalate		250	500	1000	U
105-67-9	2,4-Dimethylphenol		1000	2000	4000	U
131-11-3	Dimethyl phthalate		250	500	1000	U
534-52-1	4,6-Dinitro-2-methylphenol		1000	2000	4000	X, U
51-28-5	2,4-Dinitrophenol		200	5000	10000	X, U
121-14-2	2,4-Dinitrotoluene		250	500	1000	U
606-20-2	2,6-Dinitrotoluene		250	500	1000	U
117-84-0	Di-n-octylphthalate		250	500	1000	U

ANALYSIS DATA SHEET

GW0583

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-07	File ID:	0508007D.D
Sampled:	05/10/12 15:38	Prepared:	05/14/12 10:52	Analyzed:	05/19/12 01:07
Solids:		Preparation:	EXT_3510	Dilution:	200

Batch: 2E14006 Sequence: 2E14201 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		250	500	1000	U
117-81-7	Bis(2-ethylhexyl)phthalate		250	500	1000	U
206-44-0	Fluoranthene		250	500	1000	U
86-73-7	Fluorene		250	500	1000	U
118-74-1	Hexachlorobenzene		250	500	1000	U
87-68-3	Hexachlorobutadiene		250	500	1000	U
77-47-4	Hexachlorocyclopentadiene		250	500	1000	U
67-72-1	Hexachloroethane		250	500	1000	U
193-39-5	Indeno(1,2,3-cd)pyrene		250	500	1000	U
78-59-1	Isophorone		250	500	1000	U
90-12-0	1-Methylnaphthalene		250	500	1000	U
91-57-6	2-Methylnaphthalene		250	500	1000	U
95-48-7	2-Methylphenol	331	250	500	1000	J, D
108-39-4/106	3-Methylphenol/4-Methylphenol	289	250	500	1000	J, D
91-20-3	Naphthalene		250	500	1000	U
100-01-6	4-Nitroaniline		1000	2000	4000	U
99-09-2	3-Nitroaniline		1000	2000	4000	U
88-74-4	2-Nitroaniline		1000	2000	4000	U
98-95-3	Nitrobenzene		250	500	1000	U
100-02-7	4-Nitrophenol		1000	2000	4000	U
88-75-5	2-Nitrophenol		250	500	1000	U
86-30-6	N-Nitrosodiphenylamine		250	500	1000	U
621-64-7	N-Nitroso-di-n-propylamine		250	500	1000	U
87-86-5	Pentachlorophenol		1000	2000	4000	U
85-01-8	Phenanthrene		250	500	1000	U
108-95-2	Phenol		250	500	1000	U
129-00-0	Pyrene		250	500	1000	U
88-06-2	2,4,6-Trichlorophenol		250	500	1000	U
95-95-4	2,4,5-Trichlorophenol		250	500	1000	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	38.02	76.0	50 - 110	D
2-Fluorophenol	100.0	40.61	40.6	20 - 110	D
Nitrobenzene-d5	50.00	192.6	385	40 - 110	D
Phenol-d6	100.0	516.2	516	0 - 110	D
Terphenyl-d14	50.00	0.000		50 - 135	DU
2,4,6-Tribromophenol	100.0	60.00	60.0	40 - 125	D

ANALYSIS DATA SHEET

GW0583

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-07RE1	File ID:	508007D2.D
Sampled:	05/10/12 15:38	Prepared:	05/14/12 10:52	Analyzed:	05/21/12 09:09
Solids:		Preparation:	EXT_3510	Dilution:	500

Batch: 2E14006 Sequence: 2E14302 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		625	1250	2500	U
208-96-8	Acenaphthylene		625	1250	2500	U
98-86-2	Acetophenone	25300	625	1250	2500	D
120-12-7	Anthracene		625	1250	2500	U
1912-24-9	Atrazine		625	1250	2500	U
100-52-7	Benzaldehyde		625	1250	2500	U
92-87-5	Benzidine		6250	12500	25000	U
56-55-3	Benzo(a)anthracene		625	1250	2500	U
50-32-8	Benzo(a)pyrene		625	1250	2500	U
205-99-2	Benzo(b)fluoranthene		625	1250	2500	U
191-24-2	Benzo(g,h,i)perylene		625	1250	2500	U
65-85-0	Benzoic acid		6250	12500	25000	U
207-08-9	Benzo(k)fluoranthene		625	1250	2500	U
92-52-4	1,1-Biphenyl		625	1250	2500	U
101-55-3	4-Bromophenyl-phenylether		625	1250	2500	U
85-68-7	Butylbenzylphthalate		625	1250	2500	U
105-60-2	Caprolactam		625	1250	2500	Q, U
86-74-8	Carbazole		625	1250	2500	U
59-50-7	4-Chloro-3-methylphenol		625	1250	2500	U
106-47-8	4-Chloroaniline		625	1250	2500	U
111-91-1	Bis(2-chloroethoxy)methane		625	1250	2500	U
111-44-4	Bis(2-chloroethyl)ether		625	1250	2500	U
108-60-1	2,2'-Oxybis-1-chloropropane		625	1250	2500	U
91-58-7	2-Chloronaphthalene		625	1250	2500	U
95-57-8	2-Chlorophenol		625	1250	2500	U
7005-72-3	4-Chlorophenyl phenyl ether		625	1250	2500	U
218-01-9	Chrysene		625	1250	2500	U
53-70-3	Dibenz(a,h)anthracene		625	1250	2500	U
132-64-9	Dibenzofuran		625	1250	2500	U
84-74-2	Di-n-butylphthalate		625	1250	2500	U
91-94-1	3,3'-Dichlorobenzidine		625	1250	2500	U
120-83-2	2,4-Dichlorophenol		625	1250	2500	U
84-66-2	Diethylphthalate		625	1250	2500	U
105-67-9	2,4-Dimethylphenol		2500	5000	10000	U
131-11-3	Dimethyl phthalate		625	1250	2500	U
534-52-1	4,6-Dinitro-2-methylphenol		2500	5000	10000	U
51-28-5	2,4-Dinitrophenol		500	12500	25000	U
121-14-2	2,4-Dinitrotoluene		625	1250	2500	U
606-20-2	2,6-Dinitrotoluene		625	1250	2500	U
117-84-0	Di-n-octylphthalate		625	1250	2500	U

ANALYSIS DATA SHEET

GW0583

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-07RE1	File ID:	508007D2.D
Sampled:	05/10/12 15:38	Prepared:	05/14/12 10:52	Analyzed:	05/21/12 09:09
Solids:		Preparation:	EXT_3510	Dilution:	500

Batch: 2E14006 Sequence: 2E14302 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		625	1250	2500	U
117-81-7	Bis(2-ethylhexyl)phthalate		625	1250	2500	U
206-44-0	Fluoranthene		625	1250	2500	U
86-73-7	Fluorene		625	1250	2500	U
118-74-1	Hexachlorobenzene		625	1250	2500	U
87-68-3	Hexachlorobutadiene		625	1250	2500	U
77-47-4	Hexachlorocyclopentadiene		625	1250	2500	U
67-72-1	Hexachloroethane		625	1250	2500	U
193-39-5	Indeno(1,2,3-cd)pyrene		625	1250	2500	U
78-59-1	Isophorone		625	1250	2500	U
90-12-0	1-Methylnaphthalene		625	1250	2500	U
91-57-6	2-Methylnaphthalene		625	1250	2500	U
95-48-7	2-Methylphenol		625	1250	2500	U
108-39-4/106	3-Methylphenol/4-Methylphenol		625	1250	2500	U
91-20-3	Naphthalene		625	1250	2500	U
100-01-6	4-Nitroaniline		2500	5000	10000	U
99-09-2	3-Nitroaniline		2500	5000	10000	U
88-74-4	2-Nitroaniline		2500	5000	10000	U
98-95-3	Nitrobenzene		625	1250	2500	U
100-02-7	4-Nitrophenol		2500	5000	10000	U
88-75-5	2-Nitrophenol		625	1250	2500	U
86-30-6	N-Nitrosodiphenylamine		625	1250	2500	U
621-64-7	N-Nitroso-di-n-propylamine		625	1250	2500	U
87-86-5	Pentachlorophenol		2500	5000	10000	U
85-01-8	Phenanthrene		625	1250	2500	U
108-95-2	Phenol		625	1250	2500	U
129-00-0	Pyrene		625	1250	2500	U
88-06-2	2,4,6-Trichlorophenol		625	1250	2500	U
95-95-4	2,4,5-Trichlorophenol		625	1250	2500	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	0.000		50 - 110	DU
2-Fluorophenol	100.0	0.000		20 - 110	DU
Nitrobenzene-d5	50.00	0.000		40 - 110	DU
Phenol-d6	100.0	0.000		0 - 110	DU
Terphenyl-d14	50.00	0.000		50 - 135	DU
2,4,6-Tribromophenol	100.0	0.000		40 - 125	DU

ANALYSIS DATA SHEET

GW0584

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-09	File ID:	0508009.D
Sampled:	05/10/12 11:10	Prepared:	05/14/12 10:52	Analyzed:	05/18/12 17:54
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E14006 Sequence: 2E14201 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	U
98-86-2	Acetophenone		1.23	2.45	4.90	U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	U
100-52-7	Benzaldehyde		1.23	2.45	4.90	U
92-87-5	Benzidine		12.3	24.5	49.0	U
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	U
65-85-0	Benzoic acid		12.3	24.5	49.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	U
105-60-2	Caprolactam		1.23	2.45	4.90	Q, U
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	U
218-01-9	Chrysene		1.23	2.45	4.90	U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	X, U
51-28-5	2,4-Dinitrophenol		0.980	24.5	49.0	X, U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	U

ANALYSIS DATA SHEET

GW0584

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-09	File ID:	0508009.D
Sampled:	05/10/12 11:10	Prepared:	05/14/12 10:52	Analyzed:	05/18/12 17:54
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E14006 Sequence: 2E14201 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.23	2.45	4.90	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.23	2.45	4.90	U
206-44-0	Fluoranthene		1.23	2.45	4.90	U
86-73-7	Fluorene		1.23	2.45	4.90	U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	U
87-68-3	Hexachlorobutadiene		1.23	2.45	4.90	U
77-47-4	Hexachlorocyclopentadiene		1.23	2.45	4.90	U
67-72-1	Hexachloroethane		1.23	2.45	4.90	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.23	2.45	4.90	U
78-59-1	Isophorone		1.23	2.45	4.90	U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	U
95-48-7	2-Methylphenol		1.23	2.45	4.90	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	U
91-20-3	Naphthalene		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	37.54	76.6	50 - 110	
2-Fluorophenol	98.04	26.14	26.7	20 - 110	
Nitrobenzene-d5	49.02	42.41	86.5	40 - 110	
Phenol-d6	98.04	16.21	16.5	0 - 110	
Terphenyl-d14	49.02	50.30	103	50 - 135	
2,4,6-Tribromophenol	98.04	72.61	74.1	40 - 125	

ANALYSIS DATA SHEET

GW8051-RB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-11	File ID:	0508011.D
Sampled:	05/10/12 08:22	Prepared:	05/14/12 10:52	Analyzed:	05/18/12 18:21
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E14006 Sequence: 2E14201 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	U
98-86-2	Acetophenone	2.27	1.23	2.45	4.90	J
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	U
100-52-7	Benzaldehyde		1.23	2.45	4.90	U
92-87-5	Benzidine		12.3	24.5	49.0	U
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	U
65-85-0	Benzoic acid		12.3	24.5	49.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	U
105-60-2	Caprolactam		1.23	2.45	4.90	Q, U
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	U
218-01-9	Chrysene		1.23	2.45	4.90	U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	X, U
51-28-5	2,4-Dinitrophenol		0.980	24.5	49.0	X, U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	U

ANALYSIS DATA SHEET

GW8051-RB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-11	File ID:	0508011.D
Sampled:	05/10/12 08:22	Prepared:	05/14/12 10:52	Analyzed:	05/18/12 18:21
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E14006 Sequence: 2E14201 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.23	2.45	4.90	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.04	1.23	2.45	4.90	
206-44-0	Fluoranthene		1.23	2.45	4.90	U
86-73-7	Fluorene		1.23	2.45	4.90	U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	U
87-68-3	Hexachlorobutadiene		1.23	2.45	4.90	U
77-47-4	Hexachlorocyclopentadiene		1.23	2.45	4.90	U
67-72-1	Hexachloroethane		1.23	2.45	4.90	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.23	2.45	4.90	U
78-59-1	Isophorone		1.23	2.45	4.90	U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	U
95-48-7	2-Methylphenol		1.23	2.45	4.90	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	U
91-20-3	Naphthalene		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	39.50	80.6	50 - 110	
2-Fluorophenol	98.04	31.16	31.8	20 - 110	
Nitrobenzene-d5	49.02	41.26	84.2	40 - 110	
Phenol-d6	98.04	16.83	17.2	0 - 110	
Terphenyl-d14	49.02	49.25	100	50 - 135	
2,4,6-Tribromophenol	98.04	84.55	86.2	40 - 125	

ANALYSIS DATA SHEET

GW0585

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205096-01	File ID:	0509601.D
Sampled:	05/14/12 11:43	Prepared:	05/15/12 13:19	Analyzed:	05/16/12 19:00
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E15006 Sequence: 2E13902 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.20	2.40	4.81	U
208-96-8	Acenaphthylene		1.20	2.40	4.81	U
98-86-2	Acetophenone		1.20	2.40	4.81	U
120-12-7	Anthracene		1.20	2.40	4.81	U
1912-24-9	Atrazine		1.20	2.40	4.81	U
100-52-7	Benzaldehyde		1.20	2.40	4.81	U
92-87-5	Benzidine		12.0	24.0	48.1	U
56-55-3	Benzo(a)anthracene		1.20	2.40	4.81	U
50-32-8	Benzo(a)pyrene		1.20	2.40	4.81	U
205-99-2	Benzo(b)fluoranthene		1.20	2.40	4.81	U
191-24-2	Benzo(g,h,i)perylene		1.20	2.40	4.81	U
65-85-0	Benzoic acid		12.0	24.0	48.1	U
207-08-9	Benzo(k)fluoranthene		1.20	2.40	4.81	U
92-52-4	1,1-Biphenyl		1.20	2.40	4.81	U
101-55-3	4-Bromophenyl-phenylether		1.20	2.40	4.81	U
85-68-7	Butylbenzylphthalate		1.20	2.40	4.81	U
105-60-2	Caprolactam		1.20	2.40	4.81	Q, U
86-74-8	Carbazole		1.20	2.40	4.81	U
59-50-7	4-Chloro-3-methylphenol		1.20	2.40	4.81	U
106-47-8	4-Chloroaniline		1.20	2.40	4.81	U
111-91-1	Bis(2-chloroethoxy)methane		1.20	2.40	4.81	U
111-44-4	Bis(2-chloroethyl)ether		1.20	2.40	4.81	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.20	2.40	4.81	U
91-58-7	2-Chloronaphthalene		1.20	2.40	4.81	U
95-57-8	2-Chlorophenol		1.20	2.40	4.81	U
7005-72-3	4-Chlorophenyl phenyl ether		1.20	2.40	4.81	U
218-01-9	Chrysene		1.20	2.40	4.81	U
53-70-3	Dibenz(a,h)anthracene		1.20	2.40	4.81	U
132-64-9	Dibenzofuran		1.20	2.40	4.81	U
84-74-2	Di-n-butylphthalate		1.20	2.40	4.81	U
91-94-1	3,3'-Dichlorobenzidine		1.20	2.40	4.81	U
120-83-2	2,4-Dichlorophenol		1.20	2.40	4.81	U
84-66-2	Diethylphthalate		1.20	2.40	4.81	U
105-67-9	2,4-Dimethylphenol		4.81	9.62	19.2	U
131-11-3	Dimethyl phthalate		1.20	2.40	4.81	U
534-52-1	4,6-Dinitro-2-methylphenol		4.81	9.62	19.2	U
51-28-5	2,4-Dinitrophenol		0.962	24.0	48.1	U
121-14-2	2,4-Dinitrotoluene		1.20	2.40	4.81	U
606-20-2	2,6-Dinitrotoluene		1.20	2.40	4.81	U
117-84-0	Di-n-octylphthalate		1.20	2.40	4.81	U

ANALYSIS DATA SHEET

GW0585

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205096-01	File ID:	0509601.D
Sampled:	05/14/12 11:43	Prepared:	05/15/12 13:19	Analyzed:	05/16/12 19:00
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E15006 Sequence: 2E13902 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.20	2.40	4.81	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.20	2.40	4.81	U
206-44-0	Fluoranthene		1.20	2.40	4.81	U
86-73-7	Fluorene		1.20	2.40	4.81	U
118-74-1	Hexachlorobenzene		1.20	2.40	4.81	U
87-68-3	Hexachlorobutadiene		1.20	2.40	4.81	U
77-47-4	Hexachlorocyclopentadiene		1.20	2.40	4.81	U
67-72-1	Hexachloroethane		1.20	2.40	4.81	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.20	2.40	4.81	U
78-59-1	Isophorone		1.20	2.40	4.81	U
90-12-0	1-Methylnaphthalene		1.20	2.40	4.81	U
91-57-6	2-Methylnaphthalene		1.20	2.40	4.81	U
95-48-7	2-Methylphenol		1.20	2.40	4.81	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.20	2.40	4.81	U
91-20-3	Naphthalene		1.20	2.40	4.81	U
100-01-6	4-Nitroaniline		4.81	9.62	19.2	U
99-09-2	3-Nitroaniline		4.81	9.62	19.2	U
88-74-4	2-Nitroaniline		4.81	9.62	19.2	U
98-95-3	Nitrobenzene		1.20	2.40	4.81	U
100-02-7	4-Nitrophenol		4.81	9.62	19.2	U
88-75-5	2-Nitrophenol		1.20	2.40	4.81	U
86-30-6	N-Nitrosodiphenylamine		1.20	2.40	4.81	U
621-64-7	N-Nitroso-di-n-propylamine		1.20	2.40	4.81	U
87-86-5	Pentachlorophenol		4.81	9.62	19.2	U
85-01-8	Phenanthrene		1.20	2.40	4.81	U
108-95-2	Phenol		1.20	2.40	4.81	U
129-00-0	Pyrene		1.20	2.40	4.81	U
88-06-2	2,4,6-Trichlorophenol		1.20	2.40	4.81	U
95-95-4	2,4,5-Trichlorophenol		1.20	2.40	4.81	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	37.42	77.8	50 - 110	
2-Fluorophenol	96.15	24.55	25.5	20 - 110	
Nitrobenzene-d5	48.08	37.98	79.0	40 - 110	
Phenol-d6	96.15	14.59	15.2	0 - 110	
Terphenyl-d14	48.08	47.56	98.9	50 - 135	
2,4,6-Tribromophenol	96.15	71.02	73.9	40 - 125	X

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13601	Instrument:	MS-BNA1
		Calibration:	2121007

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2E13601-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 05/14/12 13:27		
2-Fluorobiphenyl	50.00	118	80 - 120	7.774	7.774	0.0000	+/-0.500	
2-Fluorophenol	100.0	99.0	80 - 120	3.761	3.761	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	119	80 - 120	5.665	5.665	0.0000	+/-0.500	
Phenol-d6	100.0	100	80 - 120	4.678	4.678	0.0000	+/-0.500	
Terphenyl-d14	50.00	113	80 - 120	12.316	12.316	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	121	80 - 120	9.549	9.549	0.0000	+/-0.500	*
Blank (2E10006-BLK1) ug/L				Lab File ID: E10006B1.D		Analyzed: 05/14/12 14:23		
2-Fluorobiphenyl	50.00	81.1	50 - 110	7.771	7.774	-0.0030	+/-0.500	
2-Fluorophenol	100.0	27.9	20 - 110	3.762	3.761	0.0010	+/-0.500	
Nitrobenzene-d5	50.00	85.3	40 - 110	5.664	5.665	-0.0010	+/-0.500	
Phenol-d6	100.0	14.2	0 - 110	4.669	4.678	-0.0090	+/-0.500	
Terphenyl-d14	50.00	103	50 - 135	12.312	12.316	-0.0040	+/-0.500	
2,4,6-Tribromophenol	100.0	86.9	40 - 125	9.548	9.549	-0.0010	+/-0.500	
LCS (2E10006-BS1) ug/L				Lab File ID: E10006L1.D		Analyzed: 05/14/12 14:51		
2-Fluorobiphenyl	50.00	86.0	50 - 110	7.769	7.774	-0.0050	+/-0.500	
2-Fluorophenol	100.0	28.6	20 - 110	3.767	3.761	0.0060	+/-0.500	
Nitrobenzene-d5	50.00	89.5	40 - 110	5.66	5.665	-0.0050	+/-0.500	
Phenol-d6	100.0	15.2	0 - 110	4.673	4.678	-0.0050	+/-0.500	
Terphenyl-d14	50.00	95.1	50 - 135	12.315	12.316	-0.0010	+/-0.500	
2,4,6-Tribromophenol	100.0	91.1	40 - 125	9.546	9.549	-0.0030	+/-0.500	
LCS Dup (2E10006-BSD1) ug/L				Lab File ID: E10006L2.D		Analyzed: 05/14/12 15:18		
2-Fluorobiphenyl	50.00	90.2	50 - 110	7.774	7.774	0.0000	+/-0.500	
2-Fluorophenol	100.0	30.4	20 - 110	3.768	3.761	0.0070	+/-0.500	
Nitrobenzene-d5	50.00	95.5	40 - 110	5.662	5.665	-0.0030	+/-0.500	
Phenol-d6	100.0	18.7	0 - 110	4.675	4.678	-0.0030	+/-0.500	
Terphenyl-d14	50.00	104	50 - 135	12.315	12.316	-0.0010	+/-0.500	
2,4,6-Tribromophenol	100.0	88.2	40 - 125	9.549	9.549	0.0000	+/-0.500	
GW0518 (1205054-03) ug/L				Lab File ID: 0505403.D		Analyzed: 05/14/12 16:13		
2-Fluorobiphenyl	49.02	78.8	50 - 110	7.77	7.774	-0.0040	+/-0.500	
2-Fluorophenol	98.04	30.7	20 - 110	3.761	3.761	0.0000	+/-0.500	
Nitrobenzene-d5	49.02	90.5	40 - 110	5.667	5.665	0.0020	+/-0.500	
Phenol-d6	98.04	16.7	0 - 110	4.67	4.678	-0.0080	+/-0.500	
Terphenyl-d14	49.02	96.8	50 - 135	12.316	12.316	0.0000	+/-0.500	
2,4,6-Tribromophenol	98.04	89.8	40 - 125	9.549	9.549	0.0000	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13601	Instrument:	MS-BNA1
		Calibration:	2121007

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0564 (1205054-07) ug/L				Lab File ID: 0505407.D		Analyzed: 05/14/12 17:08		
2-Fluorobiphenyl	47.17	87.6	50 - 110	7.777	7.774	0.0030	+/-0.500	
2-Fluorophenol	94.34	30.4	20 - 110	3.761	3.761	0.0000	+/-0.500	
Nitrobenzene-d5	47.17	93.0	40 - 110	5.666	5.665	0.0010	+/-0.500	
Phenol-d6	94.34	15.8	0 - 110	4.669	4.678	-0.0090	+/-0.500	
Terphenyl-d14	47.17	105	50 - 135	12.31	12.316	-0.0060	+/-0.500	
2,4,6-Tribromophenol	94.34	94.4	40 - 125	9.546	9.549	-0.0030	+/-0.500	
GW0565 (1205054-09) ug/L				Lab File ID: 0505409.D		Analyzed: 05/14/12 17:35		
2-Fluorobiphenyl	46.73	75.2	50 - 110	7.771	7.774	-0.0030	+/-0.500	
2-Fluorophenol	93.46	26.1	20 - 110	3.759	3.761	-0.0020	+/-0.500	
Nitrobenzene-d5	46.73	82.3	40 - 110	5.662	5.665	-0.0030	+/-0.500	
Phenol-d6	93.46	13.9	0 - 110	4.676	4.678	-0.0020	+/-0.500	
Terphenyl-d14	46.73	95.6	50 - 135	12.311	12.316	-0.0050	+/-0.500	
2,4,6-Tribromophenol	93.46	83.3	40 - 125	9.546	9.549	-0.0030	+/-0.500	
GW0588 (1205054-13) ug/L				Lab File ID: 0505413.D		Analyzed: 05/14/12 18:30		
2-Fluorobiphenyl	47.17	81.4	50 - 110	7.77	7.774	-0.0040	+/-0.500	
2-Fluorophenol	94.34	30.7	20 - 110	3.76	3.761	-0.0010	+/-0.500	
Nitrobenzene-d5	47.17	94.6	40 - 110	5.662	5.665	-0.0030	+/-0.500	
Phenol-d6	94.34	16.4	0 - 110	4.667	4.678	-0.0110	+/-0.500	
Terphenyl-d14	47.17	102	50 - 135	12.312	12.316	-0.0040	+/-0.500	
2,4,6-Tribromophenol	94.34	91.3	40 - 125	9.547	9.549	-0.0020	+/-0.500	
GW0589 (1205054-15) ug/L				Lab File ID: 0505415.D		Analyzed: 05/14/12 18:57		
2-Fluorobiphenyl	47.17	78.7	50 - 110	7.767	7.774	-0.0070	+/-0.500	
2-Fluorophenol	94.34	27.6	20 - 110	3.758	3.761	-0.0030	+/-0.500	
Nitrobenzene-d5	47.17	85.0	40 - 110	5.66	5.665	-0.0050	+/-0.500	
Phenol-d6	94.34	14.7	0 - 110	4.674	4.678	-0.0040	+/-0.500	
Terphenyl-d14	47.17	99.4	50 - 135	12.309	12.316	-0.0070	+/-0.500	
2,4,6-Tribromophenol	94.34	90.3	40 - 125	9.543	9.549	-0.0060	+/-0.500	
GW0611 (1205054-19) ug/L				Lab File ID: 0505419.D		Analyzed: 05/14/12 19:52		
2-Fluorobiphenyl	46.73	83.6	50 - 110	7.768	7.774	-0.0060	+/-0.500	
2-Fluorophenol	93.46	27.6	20 - 110	3.758	3.761	-0.0030	+/-0.500	
Nitrobenzene-d5	46.73	91.2	40 - 110	5.66	5.665	-0.0050	+/-0.500	
Phenol-d6	93.46	14.4	0 - 110	4.675	4.678	-0.0030	+/-0.500	
Terphenyl-d14	46.73	92.1	50 - 135	12.307	12.316	-0.0090	+/-0.500	
2,4,6-Tribromophenol	93.46	88.3	40 - 125	9.544	9.549	-0.0050	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13601	Instrument:	MS-BNA1
		Calibration:	2121007

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0612 (1205054-21) ug/L				Lab File ID: 0505421.D		Analyzed: 05/14/12 20:19		
2-Fluorobiphenyl	47.17	69.9	50 - 110	7.766	7.774	-0.0080	+/-0.500	
2-Fluorophenol	94.34	23.7	20 - 110	3.757	3.761	-0.0040	+/-0.500	
Nitrobenzene-d5	47.17	76.8	40 - 110	5.659	5.665	-0.0060	+/-0.500	
Phenol-d6	94.34	12.2	0 - 110	4.674	4.678	-0.0040	+/-0.500	
Terphenyl-d14	47.17	94.5	50 - 135	12.313	12.316	-0.0030	+/-0.500	
2,4,6-Tribromophenol	94.34	82.9	40 - 125	9.551	9.549	0.0020	+/-0.500	
GW8050-RB (1205054-23) ug/L				Lab File ID: 0505423.D		Analyzed: 05/14/12 20:46		
2-Fluorobiphenyl	49.02	74.5	50 - 110	7.775	7.774	0.0010	+/-0.500	
2-Fluorophenol	98.04	23.9	20 - 110	3.757	3.761	-0.0040	+/-0.500	
Nitrobenzene-d5	49.02	80.3	40 - 110	5.658	5.665	-0.0070	+/-0.500	
Phenol-d6	98.04	13.0	0 - 110	4.674	4.678	-0.0040	+/-0.500	
Terphenyl-d14	49.02	94.6	50 - 135	12.307	12.316	-0.0090	+/-0.500	
2,4,6-Tribromophenol	98.04	86.4	40 - 125	9.55	9.549	0.0010	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13901	Instrument:	MS-BNA1
		Calibration:	2121007

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2E13901-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 05/15/12 12:25		
2-Fluorobiphenyl	50.00	112	80 - 120	7.769	7.769	0.0000	+/-0.500	
2-Fluorophenol	100.0	102	80 - 120	3.763	3.763	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	118	80 - 120	5.659	5.659	0.0000	+/-0.500	
Phenol-d6	100.0	101	80 - 120	4.673	4.673	0.0000	+/-0.500	
Terphenyl-d14	50.00	110	80 - 120	12.31	12.31	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	120	80 - 120	9.549	9.549	0.0000	+/-0.500	
Blank (2E11005-BLK1) ug/L				Lab File ID: E11005B1.D		Analyzed: 05/15/12 13:20		
2-Fluorobiphenyl	50.00	91.9	50 - 110	7.766	7.769	-0.0030	+/-0.500	
2-Fluorophenol	100.0	39.4	20 - 110	3.764	3.763	0.0010	+/-0.500	
Nitrobenzene-d5	50.00	99.9	40 - 110	5.663	5.659	0.0040	+/-0.500	
Phenol-d6	100.0	20.9	0 - 110	4.67	4.673	-0.0030	+/-0.500	
Terphenyl-d14	50.00	112	50 - 135	12.31	12.31	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	104	40 - 125	9.547	9.549	-0.0020	+/-0.500	
LCS (2E11005-BS1) ug/L				Lab File ID: E11005L1.D		Analyzed: 05/15/12 13:48		
2-Fluorobiphenyl	50.00	83.4	50 - 110	7.769	7.769	0.0000	+/-0.500	
2-Fluorophenol	100.0	34.4	20 - 110	3.766	3.763	0.0030	+/-0.500	
Nitrobenzene-d5	50.00	86.8	40 - 110	5.66	5.659	0.0010	+/-0.500	
Phenol-d6	100.0	19.0	0 - 110	4.673	4.673	0.0000	+/-0.500	
Terphenyl-d14	50.00	104	50 - 135	12.31	12.31	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	97.9	40 - 125	9.552	9.549	0.0030	+/-0.500	
LCS Dup (2E11005-BSD1) ug/L				Lab File ID: E11005L2.D		Analyzed: 05/15/12 14:15		
2-Fluorobiphenyl	50.00	95.5	50 - 110	7.769	7.769	0.0000	+/-0.500	
2-Fluorophenol	100.0	34.0	20 - 110	3.768	3.763	0.0050	+/-0.500	
Nitrobenzene-d5	50.00	106	40 - 110	5.661	5.659	0.0020	+/-0.500	
Phenol-d6	100.0	21.7	0 - 110	4.675	4.673	0.0020	+/-0.500	
Terphenyl-d14	50.00	112	50 - 135	12.314	12.31	0.0040	+/-0.500	
2,4,6-Tribromophenol	100.0	95.4	40 - 125	9.545	9.549	-0.0040	+/-0.500	
GW0570 (1205070-05) ug/L				Lab File ID: 0507005D.D		Analyzed: 05/15/12 14:43		
2-Fluorobiphenyl	47.17	73.4	50 - 110	7.766	7.769	-0.0030	+/-0.500	
2-Fluorophenol	94.34	22.7	20 - 110	3.766	3.763	0.0030	+/-0.500	
Nitrobenzene-d5	47.17	69.6	40 - 110	5.664	5.659	0.0050	+/-0.500	
Phenol-d6	94.34	13.6	0 - 110	4.675	4.673	0.0020	+/-0.500	
Terphenyl-d14	47.17	80.8	50 - 135	12.309	12.31	-0.0010	+/-0.500	
2,4,6-Tribromophenol	94.34	85.9	40 - 125	9.545	9.549	-0.0040	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13901	Instrument:	MS-BNA1
		Calibration:	2121007

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0586 (1205070-07) ug/L				Lab File ID: 0507007D.D		Analyzed: 05/15/12 15:10		
2-Fluorobiphenyl	47.17	56.8	50 - 110	7.773	7.769	0.0040	+/-0.500	
2-Fluorophenol	94.34	26.4	20 - 110	3.768	3.763	0.0050	+/-0.500	
Nitrobenzene-d5	47.17	58.2	40 - 110	5.662	5.659	0.0030	+/-0.500	
Phenol-d6	94.34	11.0	0 - 110	4.676	4.673	0.0030	+/-0.500	
Terphenyl-d14	47.17	66.2	50 - 135	12.315	12.31	0.0050	+/-0.500	
2,4,6-Tribromophenol	94.34	62.8	40 - 125	9.543	9.549	-0.0060	+/-0.500	
GW0599 (1205070-09) ug/L				Lab File ID: 0507009.D		Analyzed: 05/15/12 17:01		
2-Fluorobiphenyl	47.17	54.9	50 - 110	7.768	7.769	-0.0010	+/-0.500	
2-Fluorophenol	94.34	19.9	20 - 110	3.77	3.763	0.0070	+/-0.500	*
Nitrobenzene-d5	47.17	61.9	40 - 110	5.666	5.659	0.0070	+/-0.500	
Phenol-d6	94.34	11.7	0 - 110	4.678	4.673	0.0050	+/-0.500	
Terphenyl-d14	47.17	54.4	50 - 135	12.311	12.31	0.0010	+/-0.500	
2,4,6-Tribromophenol	94.34	60.0	40 - 125	9.546	9.549	-0.0030	+/-0.500	
GW0600 (1205070-11) ug/L				Lab File ID: 0507011.D		Analyzed: 05/15/12 17:28		
2-Fluorobiphenyl	46.73	83.7	50 - 110	7.769	7.769	0.0000	+/-0.500	
2-Fluorophenol	93.46	32.5	20 - 110	3.769	3.763	0.0060	+/-0.500	
Nitrobenzene-d5	46.73	87.9	40 - 110	5.665	5.659	0.0060	+/-0.500	
Phenol-d6	93.46	17.1	0 - 110	4.678	4.673	0.0050	+/-0.500	
Terphenyl-d14	46.73	84.9	50 - 135	12.308	12.31	-0.0020	+/-0.500	
2,4,6-Tribromophenol	93.46	93.0	40 - 125	9.546	9.549	-0.0030	+/-0.500	
GW0609 (1205070-13) ug/L				Lab File ID: 0507013.D		Analyzed: 05/15/12 17:55		
2-Fluorobiphenyl	49.02	91.3	50 - 110	7.774	7.769	0.0050	+/-0.500	
2-Fluorophenol	98.04	29.7	20 - 110	3.767	3.763	0.0040	+/-0.500	
Nitrobenzene-d5	49.02	96.1	40 - 110	5.659	5.659	0.0000	+/-0.500	
Phenol-d6	98.04	16.8	0 - 110	4.674	4.673	0.0010	+/-0.500	
Terphenyl-d14	49.02	82.3	50 - 135	12.31	12.31	0.0000	+/-0.500	
2,4,6-Tribromophenol	98.04	81.2	40 - 125	9.55	9.549	0.0010	+/-0.500	
GW0587 (1205054-11) ug/L				Lab File ID: 0505411D.D		Analyzed: 05/15/12 19:17		
2-Fluorobiphenyl	46.73	93.8	50 - 110	7.774	7.769	0.0050	+/-0.500	
2-Fluorophenol	93.46	31.6	20 - 110	3.767	3.763	0.0040	+/-0.500	
Nitrobenzene-d5	46.73	104	40 - 110	5.665	5.659	0.0060	+/-0.500	
Phenol-d6	93.46	17.6	0 - 110	4.677	4.673	0.0040	+/-0.500	
Terphenyl-d14	46.73	104	50 - 135	12.315	12.31	0.0050	+/-0.500	
2,4,6-Tribromophenol	93.46	103	40 - 125	9.544	9.549	-0.0050	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13901	Instrument:	MS-BNA1
		Calibration:	2121007

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0517 (1205054-01) ug/L				Lab File ID: 0505401D.D		Analyzed: 05/15/12 19:44		
2-Fluorobiphenyl	49.02	85.2	50 - 110	7.767	7.769	-0.0020	+/-0.500	
2-Fluorophenol	98.04	29.1	20 - 110	3.769	3.763	0.0060	+/-0.500	
Nitrobenzene-d5	49.02	74.4	40 - 110	5.665	5.659	0.0060	+/-0.500	
Phenol-d6	98.04	14.6	0 - 110	4.678	4.673	0.0050	+/-0.500	
Terphenyl-d14	49.02	87.4	50 - 135	12.306	12.31	-0.0040	+/-0.500	
2,4,6-Tribromophenol	98.04	94.5	40 - 125	9.544	9.549	-0.0050	+/-0.500	
GW0563 (1205054-05) ug/L				Lab File ID: 0505405D.D		Analyzed: 05/15/12 20:12		
2-Fluorobiphenyl	47.17	87.1	50 - 110	7.767	7.769	-0.0020	+/-0.500	
2-Fluorophenol	94.34	24.6	20 - 110	3.768	3.763	0.0050	+/-0.500	
Nitrobenzene-d5	47.17	65.9	40 - 110	5.664	5.659	0.0050	+/-0.500	
Phenol-d6	94.34	13.1	0 - 110	4.677	4.673	0.0040	+/-0.500	
Terphenyl-d14	47.17	88.2	50 - 135	12.307	12.31	-0.0030	+/-0.500	
2,4,6-Tribromophenol	94.34	69.7	40 - 125	9.545	9.549	-0.0040	+/-0.500	
GW0511 (1205070-01) ug/L				Lab File ID: 0507001D.D		Analyzed: 05/15/12 20:39		
2-Fluorobiphenyl	47.17	73.4	50 - 110	7.766	7.769	-0.0030	+/-0.500	
2-Fluorophenol	94.34	28.9	20 - 110	3.767	3.763	0.0040	+/-0.500	
Nitrobenzene-d5	47.17	74.4	40 - 110	5.664	5.659	0.0050	+/-0.500	
Phenol-d6	94.34	16.7	0 - 110	4.676	4.673	0.0030	+/-0.500	
Terphenyl-d14	47.17	77.9	50 - 135	12.309	12.31	-0.0010	+/-0.500	
2,4,6-Tribromophenol	94.34	75.6	40 - 125	9.543	9.549	-0.0060	+/-0.500	
GW0512 (1205070-03) ug/L				Lab File ID: 0507003D.D		Analyzed: 05/15/12 21:06		
2-Fluorobiphenyl	48.08	74.4	50 - 110	7.767	7.769	-0.0020	+/-0.500	
2-Fluorophenol	96.15	29.6	20 - 110	3.767	3.763	0.0040	+/-0.500	
Nitrobenzene-d5	48.08	72.3	40 - 110	5.663	5.659	0.0040	+/-0.500	
Phenol-d6	96.15	17.3	0 - 110	4.675	4.673	0.0020	+/-0.500	
Terphenyl-d14	48.08	87.0	50 - 135	12.308	12.31	-0.0020	+/-0.500	
2,4,6-Tribromophenol	96.15	75.3	40 - 125	9.542	9.549	-0.0070	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13902	Instrument:	MS-BNA1
		Calibration:	2121007

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2E13902-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 05/16/12 09:12		
2-Fluorobiphenyl	50.00	115	80 - 120	7.769	7.769	0.0000	+/-0.500	
2-Fluorophenol	100.0	97.5	80 - 120	3.758	3.758	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	117	80 - 120	5.661	5.661	0.0000	+/-0.500	
Phenol-d6	100.0	97.6	80 - 120	4.674	4.674	0.0000	+/-0.500	
Terphenyl-d14	50.00	109	80 - 120	12.308	12.308	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	122	80 - 120	9.543	9.543	0.0000	+/-0.500	*
GW0517 (1205054-01RE1) ug/L				Lab File ID: 505401D2.D		Analyzed: 05/16/12 10:07		
2-Fluorobiphenyl	49.02		50 - 110		7.769	-7.7690	+/-0.500	*
2-Fluorophenol	98.04		20 - 110		3.758	-3.7580	+/-0.500	*
Nitrobenzene-d5	49.02		40 - 110		5.661	-5.6610	+/-0.500	*
Phenol-d6	98.04		0 - 110		4.674	-4.6740	+/-0.500	*
Terphenyl-d14	49.02		50 - 135		12.308	-12.3080	+/-0.500	*
2,4,6-Tribromophenol	98.04		40 - 125		9.543	-9.5430	+/-0.500	*
GW0563 (1205054-05RE1) ug/L				Lab File ID: 505405D2.D		Analyzed: 05/16/12 10:34		
2-Fluorobiphenyl	47.17		50 - 110		7.769	-7.7690	+/-0.500	*
2-Fluorophenol	94.34		20 - 110		3.758	-3.7580	+/-0.500	*
Nitrobenzene-d5	47.17		40 - 110		5.661	-5.6610	+/-0.500	*
Phenol-d6	94.34		0 - 110		4.674	-4.6740	+/-0.500	*
Terphenyl-d14	47.17		50 - 135		12.308	-12.3080	+/-0.500	*
2,4,6-Tribromophenol	94.34		40 - 125		9.543	-9.5430	+/-0.500	*
Blank (2E15006-BLK1) ug/L				Lab File ID: E15006B1.D		Analyzed: 05/16/12 16:15		
2-Fluorobiphenyl	50.00	83.3	50 - 110	7.769	7.769	0.0000	+/-0.500	
2-Fluorophenol	100.0	35.5	20 - 110	3.76	3.758	0.0020	+/-0.500	
Nitrobenzene-d5	50.00	88.2	40 - 110	5.668	5.661	0.0070	+/-0.500	
Phenol-d6	100.0	19.7	0 - 110	4.677	4.674	0.0030	+/-0.500	
Terphenyl-d14	50.00	108	50 - 135	12.318	12.308	0.0100	+/-0.500	
2,4,6-Tribromophenol	100.0	92.7	40 - 125	9.551	9.543	0.0080	+/-0.500	
LCS (2E15006-BS1) ug/L				Lab File ID: E15006L1.D		Analyzed: 05/16/12 16:43		
2-Fluorobiphenyl	50.00	92.4	50 - 110	7.776	7.769	0.0070	+/-0.500	
2-Fluorophenol	100.0	38.6	20 - 110	3.76	3.758	0.0020	+/-0.500	
Nitrobenzene-d5	50.00	102	40 - 110	5.664	5.661	0.0030	+/-0.500	
Phenol-d6	100.0	22.4	0 - 110	4.677	4.674	0.0030	+/-0.500	
Terphenyl-d14	50.00	109	50 - 135	12.312	12.308	0.0040	+/-0.500	
2,4,6-Tribromophenol	100.0	96.4	40 - 125	9.553	9.543	0.0100	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13902	Instrument:	MS-BNA1
		Calibration:	2121007

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
LCS Dup (2E15006-BSD1) ug/L				Lab File ID: E15006L2.D		Analyzed: 05/16/12 17:11		
2-Fluorobiphenyl	50.00	100	50 - 110	7.774	7.769	0.0050	+/-0.500	
2-Fluorophenol	100.0	40.6	20 - 110	3.768	3.758	0.0100	+/-0.500	
Nitrobenzene-d5	50.00	105	40 - 110	5.662	5.661	0.0010	+/-0.500	
Phenol-d6	100.0	23.1	0 - 110	4.675	4.674	0.0010	+/-0.500	
Terphenyl-d14	50.00	111	50 - 135	12.316	12.308	0.0080	+/-0.500	
2,4,6-Tribromophenol	100.0	97.9	40 - 125	9.552	9.543	0.0090	+/-0.500	
GW0610 (1205054-17RE1) ug/L				Lab File ID: 0505417R.D		Analyzed: 05/16/12 17:38		
2-Fluorobiphenyl	50.00	76.1	50 - 110	7.767	7.769	-0.0020	+/-0.500	
2-Fluorophenol	100.0	42.7	20 - 110	3.767	3.758	0.0090	+/-0.500	
Nitrobenzene-d5	50.00	79.2	40 - 110	5.66	5.661	-0.0010	+/-0.500	
Phenol-d6	100.0	28.1	0 - 110	4.674	4.674	0.0000	+/-0.500	
Terphenyl-d14	50.00	97.4	50 - 135	12.309	12.308	0.0010	+/-0.500	
2,4,6-Tribromophenol	100.0	68.2	40 - 125	9.544	9.543	0.0010	+/-0.500	
GW0585 (1205096-01) ug/L				Lab File ID: 0509601.D		Analyzed: 05/16/12 19:00		
2-Fluorobiphenyl	48.08	77.8	50 - 110	7.775	7.769	0.0060	+/-0.500	
2-Fluorophenol	96.15	25.5	20 - 110	3.767	3.758	0.0090	+/-0.500	
Nitrobenzene-d5	48.08	79.0	40 - 110	5.658	5.661	-0.0030	+/-0.500	
Phenol-d6	96.15	15.2	0 - 110	4.673	4.674	-0.0010	+/-0.500	
Terphenyl-d14	48.08	98.9	50 - 135	12.311	12.308	0.0030	+/-0.500	
2,4,6-Tribromophenol	96.15	73.9	40 - 125	9.548	9.543	0.0050	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E14201	Instrument:	MS-BNA1
		Calibration:	2121007

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2E14201-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 05/18/12 14:41		
2-Fluorobiphenyl	50.00	110	80 - 120	7.771	7.771	0.0000	+/-0.500	
2-Fluorophenol	100.0	96.9	80 - 120	3.757	3.757	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	114	80 - 120	5.659	5.659	0.0000	+/-0.500	
Phenol-d6	100.0	97.7	80 - 120	4.672	4.672	0.0000	+/-0.500	
Terphenyl-d14	50.00	106	80 - 120	12.31	12.31	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	114	80 - 120	9.55	9.55	0.0000	+/-0.500	
Blank (2E14006-BLK1) ug/L				Lab File ID: E14006B1.D		Analyzed: 05/18/12 15:36		
2-Fluorobiphenyl	50.00	97.1	50 - 110	7.773	7.771	0.0020	+/-0.500	
2-Fluorophenol	100.0	37.9	20 - 110	3.757	3.757	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	102	40 - 110	5.658	5.659	-0.0010	+/-0.500	
Phenol-d6	100.0	21.2	0 - 110	4.673	4.672	0.0010	+/-0.500	
Terphenyl-d14	50.00	116	50 - 135	12.31	12.31	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	93.2	40 - 125	9.548	9.55	-0.0020	+/-0.500	
LCS (2E14006-BS1) ug/L				Lab File ID: E14006L1.D		Analyzed: 05/18/12 16:04		
2-Fluorobiphenyl	50.00	97.5	50 - 110	7.769	7.771	-0.0020	+/-0.500	
2-Fluorophenol	100.0	43.9	20 - 110	3.756	3.757	-0.0010	+/-0.500	
Nitrobenzene-d5	50.00	104	40 - 110	5.66	5.659	0.0010	+/-0.500	
Phenol-d6	100.0	25.3	0 - 110	4.673	4.672	0.0010	+/-0.500	
Terphenyl-d14	50.00	114	50 - 135	12.306	12.31	-0.0040	+/-0.500	
2,4,6-Tribromophenol	100.0	103	40 - 125	9.546	9.55	-0.0040	+/-0.500	
GW0509 (1205080-03) ug/L				Lab File ID: 0508003.D		Analyzed: 05/18/12 17:26		
2-Fluorobiphenyl	47.17	85.0	50 - 110	7.768	7.771	-0.0030	+/-0.500	
2-Fluorophenol	94.34	30.7	20 - 110	3.759	3.757	0.0020	+/-0.500	
Nitrobenzene-d5	47.17	88.8	40 - 110	5.655	5.659	-0.0040	+/-0.500	
Phenol-d6	94.34	17.7	0 - 110	4.677	4.672	0.0050	+/-0.500	
Terphenyl-d14	47.17	102	50 - 135	12.305	12.31	-0.0050	+/-0.500	
2,4,6-Tribromophenol	94.34	80.8	40 - 125	9.544	9.55	-0.0060	+/-0.500	
GW0584 (1205080-09) ug/L				Lab File ID: 0508009.D		Analyzed: 05/18/12 17:54		
2-Fluorobiphenyl	49.02	76.6	50 - 110	7.766	7.771	-0.0050	+/-0.500	
2-Fluorophenol	98.04	26.7	20 - 110	3.757	3.757	0.0000	+/-0.500	
Nitrobenzene-d5	49.02	86.5	40 - 110	5.659	5.659	0.0000	+/-0.500	
Phenol-d6	98.04	16.5	0 - 110	4.674	4.672	0.0020	+/-0.500	
Terphenyl-d14	49.02	103	50 - 135	12.307	12.31	-0.0030	+/-0.500	
2,4,6-Tribromophenol	98.04	74.1	40 - 125	9.542	9.55	-0.0080	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E14201	Instrument:	MS-BNA1
		Calibration:	2121007

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW8051-RB (1205080-11) ug/L				Lab File ID: 0508011.D		Analyzed: 05/18/12 18:21		
2-Fluorobiphenyl	49.02	80.6	50 - 110	7.77	7.771	-0.0010	+/-0.500	
2-Fluorophenol	98.04	31.8	20 - 110	3.758	3.757	0.0010	+/-0.500	
Nitrobenzene-d5	49.02	84.2	40 - 110	5.66	5.659	0.0010	+/-0.500	
Phenol-d6	98.04	17.2	0 - 110	4.674	4.672	0.0020	+/-0.500	
Terphenyl-d14	49.02	100	50 - 135	12.313	12.31	0.0030	+/-0.500	
2,4,6-Tribromophenol	98.04	86.2	40 - 125	9.546	9.55	-0.0040	+/-0.500	
GW0513 (1205080-05) ug/L				Lab File ID: 0508005D.D		Analyzed: 05/19/12 00:40		
2-Fluorobiphenyl	47.17	80.2	50 - 110	7.766	7.771	-0.0050	+/-0.500	
2-Fluorophenol	94.34	31.3	20 - 110	3.758	3.757	0.0010	+/-0.500	
Nitrobenzene-d5	47.17	79.9	40 - 110	5.654	5.659	-0.0050	+/-0.500	
Phenol-d6	94.34	17.0	0 - 110	4.666	4.672	-0.0060	+/-0.500	
Terphenyl-d14	47.17	85.4	50 - 135	12.304	12.31	-0.0060	+/-0.500	
2,4,6-Tribromophenol	94.34	68.9	40 - 125	9.536	9.55	-0.0140	+/-0.500	
GW0583 (1205080-07) ug/L				Lab File ID: 0508007D.D		Analyzed: 05/19/12 01:07		
2-Fluorobiphenyl	50.00	76.0	50 - 110	7.766	7.771	-0.0050	+/-0.500	
2-Fluorophenol	100.0	40.6	20 - 110	3.758	3.757	0.0010	+/-0.500	
Nitrobenzene-d5	50.00	385	40 - 110	5.731	5.659	0.0720	+/-0.500	*
Phenol-d6	100.0	516	0 - 110	4.753	4.672	0.0810	+/-0.500	*
Terphenyl-d14	50.00		50 - 135		12.31	-12.3100	+/-0.500	*
2,4,6-Tribromophenol	100.0	60.0	40 - 125	9.542	9.55	-0.0080	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E14302	Instrument:	MS-BNA1
		Calibration:	2121007

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2E14302-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 05/21/12 07:47		
2-Fluorobiphenyl	50.00	109	80 - 120	7.766	7.766	0.0000	+/-0.500	
2-Fluorophenol	100.0	98.1	80 - 120	3.756	3.756	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	117	80 - 120	5.659	5.659	0.0000	+/-0.500	
Phenol-d6	100.0	96.8	80 - 120	4.673	4.673	0.0000	+/-0.500	
Terphenyl-d14	50.00	106	80 - 120	12.308	12.308	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	117	80 - 120	9.545	9.545	0.0000	+/-0.500	
GW0508 (1205080-01RE1) ug/L				Lab File ID: 0508001.D		Analyzed: 05/21/12 08:41		
2-Fluorobiphenyl	48.08	72.2	50 - 110	7.772	7.766	0.0060	+/-0.500	
2-Fluorophenol	96.15	29.7	20 - 110	3.76	3.756	0.0040	+/-0.500	
Nitrobenzene-d5	48.08	91.4	40 - 110	5.654	5.659	-0.0050	+/-0.500	
Phenol-d6	96.15	17.6	0 - 110	4.68	4.673	0.0070	+/-0.500	
Terphenyl-d14	48.08	81.5	50 - 135	12.311	12.308	0.0030	+/-0.500	
2,4,6-Tribromophenol	96.15	82.2	40 - 125	9.55	9.545	0.0050	+/-0.500	
GW0583 (1205080-07RE1) ug/L				Lab File ID: 508007D2.D		Analyzed: 05/21/12 09:09		
2-Fluorobiphenyl	50.00		50 - 110		7.766	-7.7660	+/-0.500	*
2-Fluorophenol	100.0		20 - 110		3.756	-3.7560	+/-0.500	*
Nitrobenzene-d5	50.00		40 - 110		5.659	-5.6590	+/-0.500	*
Phenol-d6	100.0		0 - 110		4.673	-4.6730	+/-0.500	*
Terphenyl-d14	50.00		50 - 135		12.308	-12.3080	+/-0.500	*
2,4,6-Tribromophenol	100.0		40 - 125		9.545	-9.5450	+/-0.500	*

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E15109	Instrument:	MS-BNA1
		Calibration:	2121007

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2E15109-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 05/29/12 11:34		
2-Fluorobiphenyl	50.00	110	80 - 120	7.737	7.737	0.0000	+/-0.500	
2-Fluorophenol	100.0	104	80 - 120	3.747	3.747	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	121	80 - 120	5.639	5.639	0.0000	+/-0.500	*
Phenol-d6	100.0	103	80 - 120	4.654	4.654	0.0000	+/-0.500	
Terphenyl-d14	50.00	111	80 - 120	12.273	12.273	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	128	80 - 120	9.512	9.512	0.0000	+/-0.500	*
GW0508 (1205080-01RE2) ug/L				Lab File ID: 0508001.D		Analyzed: 05/29/12 19:23		
2-Fluorobiphenyl	48.08	77.7	50 - 110	7.747	7.737	0.0100	+/-0.500	
2-Fluorophenol	96.15	34.0	20 - 110	3.751	3.747	0.0040	+/-0.500	
Nitrobenzene-d5	48.08	97.6	40 - 110	5.638	5.639	-0.0010	+/-0.500	
Phenol-d6	96.15	20.4	0 - 110	4.659	4.654	0.0050	+/-0.500	
Terphenyl-d14	48.08	84.3	50 - 135	12.277	12.273	0.0040	+/-0.500	
2,4,6-Tribromophenol	96.15	95.9	40 - 125	9.519	9.512	0.0070	+/-0.500	

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E10006	Laboratory ID:	2E10006-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acenaphthene	49.00	32.22	65.7	45 - 110
Acenaphthylene	49.00	34.82	71.1	50 - 105
Acetophenone	50.00	50.50	101	50 - 110
Anthracene	49.00	41.09	83.8	55 - 110
Atrazine	50.00	48.30	96.6	70 - 115
Benzaldehyde	50.00	48.79	97.6	10 - 180
Benzidine	50.00	50.0 U	0	0 - 200
Benzo(a)anthracene	49.00	40.65	83.0	55 - 110
Benzo(a)pyrene	49.00	40.56	82.8	55 - 110
Benzo(b)fluoranthene	49.00	40.38	82.4	45 - 120
Benzo(g,h,i)perylene	49.00	42.99	87.7	40 - 125
Benzoic acid	100.0	13.52	13.5	0 - 125
Benzo(k)fluoranthene	49.00	41.70	85.1	45 - 125
1,1-Biphenyl	50.00	49.55	99.1	50 - 110
4-Bromophenyl-phenylether	49.00	41.89	85.5	50 - 115
Butylbenzylphthalate	49.00	39.71	81.0	45 - 115
Caprolactam	**50.00**	**6.446**	**12.9**	**20 - 110**
Carbazole	48.00	37.83	78.8	50 - 115
4-Chloro-3-methylphenol	100.0	69.66	69.7	45 - 110
4-Chloroaniline	48.00	35.34	73.6	15 - 110
Bis(2-chloroethoxy)methane	49.00	42.57	86.9	45 - 105
Bis(2-chloroethyl)ether	49.00	38.14	77.8	35 - 110
2,2'-Oxybis-1-chloropropane	49.00	39.67	81.0	25 - 130
2-Chloronaphthalene	49.00	29.15	59.5	50 - 105
2-Chlorophenol	100.0	58.80	58.8	35 - 105
4-Chlorophenyl phenyl ether	49.00	37.48	76.5	50 - 110
Chrysene	49.00	43.03	87.8	55 - 110
Dibenz(a,h)anthracene	49.00	42.80	87.3	40 - 125
Dibenzofuran	49.00	35.17	71.8	55 - 105
Di-n-butylphthalate	49.00	41.04	83.8	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E10006	Laboratory ID:	2E10006-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
3,3'-Dichlorobenzidine	50.00	35.66	71.3	20 - 110
2,4-Dichlorophenol	100.0	72.58	72.6	40 - 110
Diethylphthalate	49.00	40.66	83.0	40 - 120
2,4-Dimethylphenol	100.0	69.08	69.1	30 - 110
Dimethyl phthalate	49.00	40.47	82.6	25 - 125
4,6-Dinitro-2-methylphenol	100.0	88.91	88.9	40 - 130
2,4-Dinitrophenol	100.0	86.48	86.5	15 - 140
2,4-Dinitrotoluene	49.00	40.13	81.9	50 - 120
2,6-Dinitrotoluene	49.00	40.35	82.4	50 - 115
Di-n-octylphthalate	49.00	36.61	74.7	35 - 135
1,2-Diphenylhydrazine	48.00	36.81	76.7	55 - 115
Bis(2-ethylhexyl)phthalate	49.00	38.46	78.5	40 - 125
Fluoranthene	49.00	42.12	86.0	55 - 115
Fluorene	49.00	36.46	74.4	50 - 110
Hexachlorobenzene	49.00	41.09	83.9	50 - 110
Hexachlorobutadiene	49.00	23.66	48.3	25 - 105
Hexachlorocyclopentadiene	49.00	24.33	49.6	10 - 110
Hexachloroethane	49.00	21.72	44.3	30 - 95
Indeno(1,2,3-cd)pyrene	49.00	41.95	85.6	45 - 125
Isophorone	49.00	38.90	79.4	50 - 110
1-Methylnaphthalene	50.00	29.08	58.2	30 - 115
2-Methylnaphthalene	49.00	26.57	54.2	45 - 105
2-Methylphenol	100.0	43.81	43.8	40 - 110
3-Methylphenol/4-Methylphenol	100.0	41.52	41.5	30 - 110
Naphthalene	49.00	30.42	62.1	40 - 100
4-Nitroaniline	48.00	36.51	76.1	35 - 120
3-Nitroaniline	48.00	32.18	67.0	20 - 125
2-Nitroaniline	48.00	42.69	88.9	50 - 115
Nitrobenzene	49.00	38.04	77.6	30 - 110
4-Nitrophenol	100.0	19.04	19.0	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E10006	Laboratory ID:	2E10006-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
2-Nitrophenol	100.0	83.66	83.7	40 - 115
N-Nitrosodiphenylamine	49.00	32.54	66.4	50 - 110
N-Nitroso-di-n-propylamine	49.00	40.53	82.7	35 - 130
Pentachlorophenol	100.0	92.99	93.0	40 - 115
Phenanthrene	49.00	41.62	84.9	50 - 115
Phenol	100.0	16.43	16.4	0 - 115
Pyrene	49.00	39.21	80.0	50 - 130
2,4,6-Trichlorophenol	100.0	82.13	82.1	50 - 115
2,4,5-Trichlorophenol	100.0	83.33	83.3	50 - 110

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	49.00	34.63	70.7	7.23	30	45 - 110
Acenaphthylene	49.00	37.16	75.8	6.51	30	50 - 105
Acetophenone	50.00	52.72	105	4.30	30	50 - 110
Anthracene	49.00	41.90	85.5	1.97	30	55 - 110
Atrazine	50.00	52.10	104	7.58	30	70 - 115
Benzaldehyde	50.00	52.38	105	7.11	30	10 - 180
Benzidine	50.00	22.91	45.8		30	0 - 200
Benzo(a)anthracene	49.00	43.10	88.0	5.86	30	55 - 110
Benzo(a)pyrene	49.00	43.48	88.7	6.94	30	55 - 110
Benzo(b)fluoranthene	49.00	46.52	94.9	14.1	30	45 - 120
Benzo(g,h,i)perylene	49.00	45.53	92.9	5.75	30	40 - 125
Benzoic acid	100.0	50.0 U	0		30	0 - 125
Benzo(k)fluoranthene	49.00	40.89	83.5	1.96	30	45 - 125
1,1-Biphenyl	50.00	52.04	104	4.90	30	50 - 110
4-Bromophenyl-phenylether	49.00	43.48	88.7	3.73	30	50 - 115
Butylbenzylphthalate	49.00	43.39	88.5	8.86	30	45 - 115
Caprolactam	**50.00**	**7.229**	**14.5 ***	**11.4**	**30**	**20 - 110**
Carbazole	48.00	40.23	83.8	6.17	30	50 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E10006	Laboratory ID:	2E10006-BSD1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
4-Chloro-3-methylphenol	100.0	75.36	75.4	7.86	30	45 - 110
4-Chloroaniline	48.00	36.45	75.9	3.09	30	15 - 110
Bis(2-chloroethoxy)methane	49.00	43.08	87.9	1.18	30	45 - 105
Bis(2-chloroethyl)ether	49.00	40.51	82.7	6.04	30	35 - 110
2,2'-Oxybis-1-chloropropane	49.00	41.23	84.1	3.85	30	25 - 130
2-Chloronaphthalene	49.00	31.40	64.1	7.44	30	50 - 105
2-Chlorophenol	100.0	64.40	64.4	9.10	30	35 - 105
4-Chlorophenyl phenyl ether	49.00	39.64	80.9	5.60	30	50 - 110
Chrysene	49.00	45.19	92.2	4.89	30	55 - 110
Dibenz(a,h)anthracene	49.00	44.72	91.3	4.39	30	40 - 125
Dibenzofuran	49.00	38.56	78.7	9.19	30	55 - 105
Di-n-butylphthalate	49.00	43.62	89.0	6.08	30	55 - 115
3,3'-Dichlorobenzidine	50.00	39.24	78.5	9.55	30	20 - 110
2,4-Dichlorophenol	100.0	76.57	76.6	5.35	30	40 - 110
Diethylphthalate	49.00	43.03	87.8	5.68	30	40 - 120
2,4-Dimethylphenol	100.0	75.35	75.3	8.68	30	30 - 110
Dimethyl phthalate	49.00	42.83	87.4	5.66	30	25 - 125
4,6-Dinitro-2-methylphenol	100.0	54.31	54.3	48.3 *	30	40 - 130
2,4-Dinitrophenol	100.0	43.74	43.7	65.6 *	30	15 - 140
2,4-Dinitrotoluene	49.00	42.84	87.4	6.52	30	50 - 120
2,6-Dinitrotoluene	49.00	41.32	84.3	2.38	30	50 - 115
Di-n-octylphthalate	49.00	41.02	83.7	11.4	30	35 - 135
1,2-Diphenylhydrazine	48.00	40.35	84.1	9.16	30	55 - 115
Bis(2-ethylhexyl)phthalate	49.00	41.11	83.9	6.66	30	40 - 125
Fluoranthene	49.00	43.95	89.7	4.26	30	55 - 115
Fluorene	49.00	39.11	79.8	7.02	30	50 - 110
Hexachlorobenzene	49.00	42.98	87.7	4.50	30	50 - 110
Hexachlorobutadiene	49.00	26.87	54.8	12.7	30	25 - 105
Hexachlorocyclopentadiene	49.00	26.88	54.9	9.98	30	10 - 110
Hexachloroethane	49.00	24.21	49.4	10.9	30	30 - 95

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E10006	Laboratory ID:	2E10006-BSD1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Indeno(1,2,3-cd)pyrene	49.00	45.01	91.9	7.05	30	45 - 125
Isophorone	49.00	40.06	81.8	2.95	30	50 - 110
1-Methylnaphthalene	50.00	31.27	62.5	7.26	30	30 - 115
2-Methylnaphthalene	49.00	30.04	61.3	12.3	30	45 - 105
2-Methylphenol	100.0	50.87	50.9	14.9	30	40 - 110
3-Methylphenol/4-Methylphenol	100.0	46.59	46.6	11.5	30	30 - 110
Naphthalene	49.00	32.83	67.0	7.62	30	40 - 100
4-Nitroaniline	48.00	40.94	85.3	11.5	30	35 - 120
3-Nitroaniline	48.00	35.08	73.1	8.64	30	20 - 125
2-Nitroaniline	48.00	44.72	93.2	4.65	30	50 - 115
Nitrobenzene	49.00	40.29	82.2	5.73	30	30 - 110
4-Nitrophenol	100.0	12.42	12.4	42.1 *	30	0 - 125
2-Nitrophenol	100.0	86.83	86.8	3.72	30	40 - 115
N-Nitrosodiphenylamine	49.00	35.74	72.9	9.39	30	50 - 110
N-Nitroso-di-n-propylamine	49.00	42.03	85.8	3.61	30	35 - 130
Pentachlorophenol	100.0	63.77	63.8	37.3 *	30	40 - 115
Phenanthrene	49.00	41.71	85.1	0.211	30	50 - 115
Phenol	100.0	19.66	19.7	17.9	30	0 - 115
Pyrene	49.00	40.95	83.6	4.33	30	50 - 130
2,4,6-Trichlorophenol	100.0	71.45	71.4	13.9	30	50 - 115
2,4,5-Trichlorophenol	100.0	80.87	80.9	3.00	30	50 - 110

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E11005	Laboratory ID:	2E11005-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acenaphthene	49.00	37.02	75.5	45 - 110
Acenaphthylene	49.00	37.77	77.1	50 - 105
Acetophenone	50.00	49.35	98.7	50 - 110
Anthracene	49.00	40.63	82.9	55 - 110
Atrazine	50.00	56.02	112	70 - 115
Benzaldehyde	50.00	48.26	96.5	10 - 180
Benzidine	50.00	50.0 U	0	0 - 200
Benzo(a)anthracene	49.00	43.54	88.8	55 - 110
Benzo(a)pyrene	49.00	41.80	85.3	55 - 110
Benzo(b)fluoranthene	49.00	41.87	85.5	45 - 120
Benzo(g,h,i)perylene	49.00	43.37	88.5	40 - 125
Benzoic acid	100.0	19.31	19.3	0 - 125
Benzo(k)fluoranthene	49.00	43.67	89.1	45 - 125
1,1-Biphenyl	50.00	50.67	101	50 - 110
4-Bromophenyl-phenylether	49.00	42.43	86.6	50 - 115
Butylbenzylphthalate	49.00	42.04	85.8	45 - 115
Caprolactam	**50.00**	**8.613**	**17.2**	**20 - 110**
Carbazole	48.00	38.90	81.0	50 - 115
4-Chloro-3-methylphenol	100.0	80.64	80.6	45 - 110
4-Chloroaniline	48.00	33.68	70.2	15 - 110
Bis(2-chloroethoxy)methane	49.00	38.67	78.9	45 - 105
Bis(2-chloroethyl)ether	49.00	34.34	70.1	35 - 110
2,2'-Oxybis-1-chloropropane	49.00	37.98	77.5	25 - 130
2-Chloronaphthalene	49.00	34.61	70.6	50 - 105
2-Chlorophenol	100.0	62.38	62.4	35 - 105
4-Chlorophenyl phenyl ether	49.00	42.81	87.4	50 - 110
Chrysene	49.00	45.45	92.8	55 - 110
Dibenz(a,h)anthracene	49.00	43.29	88.3	40 - 125
Dibenzofuran	49.00	39.69	81.0	55 - 105
Di-n-butylphthalate	49.00	40.52	82.7	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E11005	Laboratory ID:	2E11005-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
3,3'-Dichlorobenzidine	50.00	36.92	73.8	20 - 110
2,4-Dichlorophenol	100.0	73.55	73.6	40 - 110
Diethylphthalate	49.00	43.79	89.4	40 - 120
2,4-Dimethylphenol	100.0	77.46	77.5	30 - 110
Dimethyl phthalate	49.00	40.85	83.4	25 - 125
4,6-Dinitro-2-methylphenol	100.0	94.21	94.2	40 - 130
2,4-Dinitrophenol	100.0	90.36	90.4	15 - 140
2,4-Dinitrotoluene	49.00	42.92	87.6	50 - 120
2,6-Dinitrotoluene	49.00	40.31	82.3	50 - 115
Di-n-octylphthalate	49.00	40.83	83.3	35 - 135
1,2-Diphenylhydrazine	48.00	39.67	82.6	55 - 115
Bis(2-ethylhexyl)phthalate	49.00	43.69	89.2	40 - 125
Fluoranthene	49.00	41.72	85.2	55 - 115
Fluorene	49.00	42.26	86.2	50 - 110
Hexachlorobenzene	49.00	44.25	90.3	50 - 110
Hexachlorobutadiene	49.00	27.72	56.6	25 - 105
Hexachlorocyclopentadiene	49.00	30.83	62.9	10 - 110
Hexachloroethane	49.00	23.54	48.1	30 - 95
Indeno(1,2,3-cd)pyrene	49.00	43.75	89.3	45 - 125
Isophorone	49.00	36.98	75.5	50 - 110
1-Methylnaphthalene	50.00	34.57	69.1	30 - 115
2-Methylnaphthalene	49.00	32.54	66.4	45 - 105
2-Methylphenol	100.0	52.11	52.1	40 - 110
3-Methylphenol/4-Methylphenol	100.0	48.69	48.7	30 - 110
Naphthalene	49.00	32.06	65.4	40 - 100
4-Nitroaniline	48.00	42.28	88.1	35 - 120
3-Nitroaniline	48.00	35.09	73.1	20 - 125
2-Nitroaniline	48.00	46.60	97.1	50 - 115
Nitrobenzene	49.00	36.13	73.7	30 - 110
4-Nitrophenol	100.0	30.45	30.4	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E11005	Laboratory ID:	2E11005-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
2-Nitrophenol	100.0	78.66	78.7	40 - 115
N-Nitrosodiphenylamine	49.00	33.53	68.4	50 - 110
N-Nitroso-di-n-propylamine	49.00	40.06	81.8	35 - 130
Pentachlorophenol	100.0	96.55	96.6	40 - 115
Phenanthrene	49.00	40.26	82.2	50 - 115
Phenol	100.0	20.07	20.1	0 - 115
Pyrene	49.00	40.85	83.4	50 - 130
2,4,6-Trichlorophenol	100.0	83.92	83.9	50 - 115
2,4,5-Trichlorophenol	100.0	89.86	89.9	50 - 110

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	49.00	41.69	85.1	11.9	30	45 - 110
Acenaphthylene	49.00	44.07	89.9	15.4	30	50 - 105
Acetophenone	**50.00**	**60.54**	**121 ***	**20.4**	**30**	**50 - 110**
Anthracene	49.00	47.48	96.9	15.6	30	55 - 110
Atrazine	**50.00**	**63.14**	**126 ***	**11.9**	**30**	**70 - 115**
Benzaldehyde	50.00	59.18	118	20.3	30	10 - 180
Benzidine	50.00	15.14	30.3		30	0 - 200
Benzo(a)anthracene	49.00	46.26	94.4	6.08	30	55 - 110
Benzo(a)pyrene	49.00	47.24	96.4	12.2	30	55 - 110
Benzo(b)fluoranthene	49.00	45.94	93.8	9.27	30	45 - 120
Benzo(g,h,i)perylene	49.00	47.90	97.8	9.92	30	40 - 125
Benzoic acid	100.0	15.06	15.1	24.7	30	0 - 125
Benzo(k)fluoranthene	49.00	51.20	104	15.9	30	45 - 125
1,1-Biphenyl	**50.00**	**59.88**	**120 ***	**16.7**	**30**	**50 - 110**
4-Bromophenyl-phenylether	49.00	49.74	102	15.8	30	50 - 115
Butylbenzylphthalate	49.00	47.03	96.0	11.2	30	45 - 115
Caprolactam	50.00	10.48	21.0	19.5	30	20 - 110
Carbazole	48.00	44.54	92.8	13.5	30	50 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E11005	Laboratory ID:	2E11005-BSD1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
4-Chloro-3-methylphenol	100.0	92.17	92.2	13.3	30	45 - 110
4-Chloroaniline	48.00	37.64	78.4	11.1	30	15 - 110
Bis(2-chloroethoxy)methane	49.00	48.02	98.0	21.6	30	45 - 105
Bis(2-chloroethyl)ether	49.00	44.17	90.1	25.1	30	35 - 110
2,2'-Oxybis-1-chloropropane	49.00	47.85	97.6	23.0	30	25 - 130
2-Chloronaphthalene	49.00	42.22	86.2	19.8	30	50 - 105
2-Chlorophenol	100.0	69.24	69.2	10.4	30	35 - 105
4-Chlorophenyl phenyl ether	49.00	49.20	100	13.9	30	50 - 110
Chrysene	49.00	49.23	100	7.98	30	55 - 110
Dibenz(a,h)anthracene	49.00	48.67	99.3	11.7	30	40 - 125
Dibenzofuran	49.00	45.66	93.2	14.0	30	55 - 105
Di-n-butylphthalate	49.00	47.28	96.5	15.4	30	55 - 115
3,3'-Dichlorobenzidine	50.00	40.28	80.6	8.71	30	20 - 110
2,4-Dichlorophenol	100.0	80.96	81.0	9.59	30	40 - 110
Diethylphthalate	49.00	49.79	102	12.8	30	40 - 120
2,4-Dimethylphenol	100.0	93.60	93.6	18.9	30	30 - 110
Dimethyl phthalate	49.00	46.39	94.7	12.7	30	25 - 125
4,6-Dinitro-2-methylphenol	100.0	77.82	77.8	19.1	30	40 - 130
2,4-Dinitrophenol	100.0	71.21	71.2	23.7	30	15 - 140
2,4-Dinitrotoluene	49.00	46.41	94.7	7.82	30	50 - 120
2,6-Dinitrotoluene	49.00	47.63	97.2	16.6	30	50 - 115
Di-n-octylphthalate	49.00	46.54	95.0	13.1	30	35 - 135
1,2-Diphenylhydrazine	48.00	46.99	97.9	16.9	30	55 - 115
Bis(2-ethylhexyl)phthalate	49.00	47.00	95.9	7.28	30	40 - 125
Fluoranthene	49.00	47.96	97.9	13.9	30	55 - 115
Fluorene	49.00	46.75	95.4	10.1	30	50 - 110
Hexachlorobenzene	49.00	50.99	104	14.2	30	50 - 110
Hexachlorobutadiene	49.00	35.78	73.0	25.4	30	25 - 105
Hexachlorocyclopentadiene	49.00	39.27	80.1	24.1	30	10 - 110
Hexachloroethane	49.00	29.56	60.3	22.6	30	30 - 95

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E11005	Laboratory ID:	2E11005-BSD1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Indeno(1,2,3-cd)pyrene	49.00	48.95	99.9	11.2	30	45 - 125
Isophorone	49.00	45.85	93.6	21.4	30	50 - 110
1-Methylnaphthalene	50.00	41.99	84.0	19.4	30	30 - 115
2-Methylnaphthalene	49.00	39.17	79.9	18.5	30	45 - 105
2-Methylphenol	100.0	63.16	63.2	19.2	30	40 - 110
3-Methylphenol/4-Methylphenol	100.0	60.15	60.2	21.1	30	30 - 110
Naphthalene	49.00	40.81	83.3	24.0	30	40 - 100
4-Nitroaniline	48.00	43.99	91.6	3.96	30	35 - 120
3-Nitroaniline	48.00	38.15	79.5	8.36	30	20 - 125
2-Nitroaniline	48.00	50.96	106	8.94	30	50 - 115
Nitrobenzene	49.00	46.93	95.8	26.0	30	30 - 110
4-Nitrophenol	100.0	22.24	22.2	31.1 *	30	0 - 125
2-Nitrophenol	100.0	86.27	86.3	9.23	30	40 - 115
N-Nitrosodiphenylamine	49.00	37.73	77.0	11.8	30	50 - 110
N-Nitroso-di-n-propylamine	49.00	47.05	96.0	16.1	30	35 - 130
Pentachlorophenol	100.0	78.27	78.3	20.9	30	40 - 115
Phenanthrene	49.00	48.85	99.7	19.3	30	50 - 115
Phenol	100.0	23.13	23.1	14.2	30	0 - 115
Pyrene	49.00	45.53	92.9	10.8	30	50 - 130
2,4,6-Trichlorophenol	100.0	76.90	76.9	8.73	30	50 - 115
2,4,5-Trichlorophenol	100.0	83.29	83.3	7.58	30	50 - 110

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E14006	Laboratory ID:	2E14006-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acenaphthene	49.00	42.08	85.9	45 - 110
Acenaphthylene	49.00	44.40	90.6	50 - 105
Acetophenone	50.00	49.07	98.1	50 - 110
Anthracene	49.00	47.51	97.0	55 - 110
Atrazine	50.00	52.35	105	70 - 115
Benzaldehyde	50.00	48.76	97.5	10 - 180
Benzidine	50.00	14.00	28.0	0 - 200
Benzo(a)anthracene	49.00	48.07	98.1	55 - 110
Benzo(a)pyrene	49.00	48.10	98.2	55 - 110
Benzo(b)fluoranthene	49.00	46.83	95.6	45 - 120
Benzo(g,h,i)perylene	49.00	49.74	102	40 - 125
Benzoic acid	100.0	18.86	18.9	0 - 125
Benzo(k)fluoranthene	49.00	47.99	97.9	45 - 125
1,1-Biphenyl	50.00	49.73	99.5	50 - 110
4-Bromophenyl-phenylether	49.00	48.58	99.2	50 - 115
Butylbenzylphthalate	49.00	49.21	100	45 - 115
Caprolactam	**50.00**	**8.432**	**16.9**	**20 - 110**
Carbazole	48.00	45.12	94.0	50 - 115
4-Chloro-3-methylphenol	100.0	92.73	92.7	45 - 110
4-Chloroaniline	48.00	37.23	77.6	15 - 110
Bis(2-chloroethoxy)methane	49.00	48.93	99.9	45 - 105
Bis(2-chloroethyl)ether	49.00	44.63	91.1	35 - 110
2,2'-Oxybis-1-chloropropane	49.00	43.51	88.8	25 - 130
2-Chloronaphthalene	49.00	41.08	83.8	50 - 105
2-Chlorophenol	100.0	80.10	80.1	35 - 105
4-Chlorophenyl phenyl ether	49.00	44.53	90.9	50 - 110
Chrysene	49.00	50.66	103	55 - 110
Dibenz(a,h)anthracene	49.00	49.66	101	40 - 125
Dibenzofuran	49.00	44.18	90.2	55 - 105
Di-n-butylphthalate	49.00	49.04	100	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E14006	Laboratory ID:	2E14006-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
3,3'-Dichlorobenzidine	50.00	44.40	88.8	20 - 110
2,4-Dichlorophenol	100.0	87.01	87.0	40 - 110
Diethylphthalate	49.00	48.01	98.0	40 - 120
2,4-Dimethylphenol	100.0	93.58	93.6	30 - 110
Dimethyl phthalate	49.00	46.40	94.7	25 - 125
4,6-Dinitro-2-methylphenol	100.0	100.8	101	40 - 130
2,4-Dinitrophenol	100.0	97.09	97.1	15 - 140
2,4-Dinitrotoluene	49.00	45.83	93.5	50 - 120
2,6-Dinitrotoluene	49.00	45.73	93.3	50 - 115
Di-n-octylphthalate	49.00	48.10	98.2	35 - 135
1,2-Diphenylhydrazine	48.00	44.18	92.0	55 - 115
Bis(2-ethylhexyl)phthalate	49.00	49.21	100	40 - 125
Fluoranthene	49.00	47.80	97.5	55 - 115
Fluorene	49.00	43.76	89.3	50 - 110
Hexachlorobenzene	49.00	48.64	99.3	50 - 110
Hexachlorobutadiene	49.00	38.00	77.6	25 - 105
Hexachlorocyclopentadiene	49.00	41.93	85.6	10 - 110
Hexachloroethane	49.00	33.08	67.5	30 - 95
Indeno(1,2,3-cd)pyrene	49.00	49.50	101	45 - 125
Isophorone	49.00	44.96	91.8	50 - 110
1-Methylnaphthalene	50.00	43.01	86.0	30 - 115
2-Methylnaphthalene	49.00	41.24	84.2	45 - 105
2-Methylphenol	100.0	67.81	67.8	40 - 110
3-Methylphenol/4-Methylphenol	100.0	63.87	63.9	30 - 110
Naphthalene	49.00	41.11	83.9	40 - 100
4-Nitroaniline	48.00	45.76	95.3	35 - 120
3-Nitroaniline	48.00	38.18	79.5	20 - 125
2-Nitroaniline	48.00	48.55	101	50 - 115
Nitrobenzene	49.00	44.20	90.2	30 - 110
4-Nitrophenol	100.0	29.70	29.7	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E14006	Laboratory ID:	2E14006-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
2-Nitrophenol	100.0	96.19	96.2	40 - 115
N-Nitrosodiphenylamine	49.00	39.28	80.2	50 - 110
N-Nitroso-di-n-propylamine	49.00	48.02	98.0	35 - 130
Pentachlorophenol	100.0	101.9	102	40 - 115
Phenanthrene	49.00	47.56	97.1	50 - 115
Phenol	100.0	26.87	26.9	0 - 115
Pyrene	49.00	47.45	96.8	50 - 130
2,4,6-Trichlorophenol	100.0	88.16	88.2	50 - 115
2,4,5-Trichlorophenol	100.0	93.54	93.5	50 - 110

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E15006	Laboratory ID:	2E15006-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acenaphthene	49.00	39.54	80.7	45 - 110
Acenaphthylene	49.00	42.06	85.8	50 - 105
Acetophenone	50.00	45.81	91.6	50 - 110
Anthracene	49.00	44.58	91.0	55 - 110
Atrazine	50.00	50.44	101	70 - 115
Benzaldehyde	50.00	47.70	95.4	10 - 180
Benzidine	50.00	15.38	30.8	0 - 200
Benzo(a)anthracene	49.00	44.70	91.2	55 - 110
Benzo(a)pyrene	49.00	45.19	92.2	55 - 110
Benzo(b)fluoranthene	49.00	44.00	89.8	45 - 120
Benzo(g,h,i)perylene	49.00	46.83	95.6	40 - 125
Benzoic acid	100.0	19.15	19.1	0 - 125
Benzo(k)fluoranthene	49.00	45.89	93.6	45 - 125
1,1-Biphenyl	50.00	44.34	88.7	50 - 110
4-Bromophenyl-phenylether	49.00	47.71	97.4	50 - 115
Butylbenzylphthalate	49.00	48.09	98.1	45 - 115
Caprolactam	**50.00**	**8.443**	**16.9**	**20 - 110**
Carbazole	48.00	44.70	93.1	50 - 115
4-Chloro-3-methylphenol	100.0	85.42	85.4	45 - 110
4-Chloroaniline	48.00	37.43	78.0	15 - 110
Bis(2-chloroethoxy)methane	49.00	46.18	94.3	45 - 105
Bis(2-chloroethyl)ether	49.00	43.20	88.2	35 - 110
2,2'-Oxybis-1-chloropropane	49.00	40.36	82.4	25 - 130
2-Chloronaphthalene	49.00	38.81	79.2	50 - 105
2-Chlorophenol	100.0	71.45	71.4	35 - 105
4-Chlorophenyl phenyl ether	49.00	42.41	86.5	50 - 110
Chrysene	49.00	47.42	96.8	55 - 110
Dibenz(a,h)anthracene	49.00	46.75	95.4	40 - 125
Dibenzofuran	49.00	40.61	82.9	55 - 105
Di-n-butylphthalate	49.00	46.52	94.9	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E15006	Laboratory ID:	2E15006-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
3,3'-Dichlorobenzidine	50.00	45.83	91.7	20 - 110
2,4-Dichlorophenol	100.0	79.95	80.0	40 - 110
Diethylphthalate	49.00	44.69	91.2	40 - 120
2,4-Dimethylphenol	100.0	87.15	87.2	30 - 110
Dimethyl phthalate	49.00	43.91	89.6	25 - 125
4,6-Dinitro-2-methylphenol	100.0	92.03	92.0	40 - 130
2,4-Dinitrophenol	100.0	86.76	86.8	15 - 140
2,4-Dinitrotoluene	49.00	42.99	87.7	50 - 120
2,6-Dinitrotoluene	49.00	42.81	87.4	50 - 115
Di-n-octylphthalate	49.00	48.09	98.1	35 - 135
1,2-Diphenylhydrazine	48.00	44.70	93.1	55 - 115
Bis(2-ethylhexyl)phthalate	49.00	48.25	98.5	40 - 125
Fluoranthene	49.00	45.79	93.4	55 - 115
Fluorene	49.00	41.76	85.2	50 - 110
Hexachlorobenzene	49.00	46.64	95.2	50 - 110
Hexachlorobutadiene	49.00	37.87	77.3	25 - 105
Hexachlorocyclopentadiene	49.00	39.82	81.3	10 - 110
Hexachloroethane	49.00	32.81	67.0	30 - 95
Indeno(1,2,3-cd)pyrene	49.00	46.73	95.4	45 - 125
Isophorone	49.00	43.80	89.4	50 - 110
1-Methylnaphthalene	50.00	40.30	80.6	30 - 115
2-Methylnaphthalene	49.00	39.46	80.5	45 - 105
2-Methylphenol	100.0	63.00	63.0	40 - 110
3-Methylphenol/4-Methylphenol	100.0	56.66	56.7	30 - 110
Naphthalene	49.00	38.75	79.1	40 - 100
4-Nitroaniline	48.00	43.38	90.4	35 - 120
3-Nitroaniline	48.00	37.10	77.3	20 - 125
2-Nitroaniline	48.00	47.37	98.7	50 - 115
Nitrobenzene	49.00	42.33	86.4	30 - 110
4-Nitrophenol	100.0	24.22	24.2	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E15006	Laboratory ID:	2E15006-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
2-Nitrophenol	100.0	88.88	88.9	40 - 115
N-Nitrosodiphenylamine	49.00	38.71	79.0	50 - 110
N-Nitroso-di-n-propylamine	49.00	45.44	92.7	35 - 130
Pentachlorophenol	100.0	94.05	94.1	40 - 115
Phenanthrene	49.00	45.42	92.7	50 - 115
Phenol	100.0	23.82	23.8	0 - 115
Pyrene	49.00	43.55	88.9	50 - 130
2,4,6-Trichlorophenol	100.0	81.81	81.8	50 - 115
2,4,5-Trichlorophenol	100.0	90.12	90.1	50 - 110

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	49.00	43.11	88.0	8.63	30	45 - 110
Acenaphthylene	49.00	44.10	90.0	4.73	30	50 - 105
Acetophenone	50.00	47.71	95.4	4.05	30	50 - 110
Anthracene	49.00	45.38	92.6	1.77	30	55 - 110
Atrazine	50.00	51.57	103	2.22	30	70 - 115
Benzaldehyde	50.00	49.43	98.9	3.55	30	10 - 180
Benzidine	50.00	18.23	36.5	16.9	30	0 - 200
Benzo(a)anthracene	49.00	46.81	95.5	4.62	30	55 - 110
Benzo(a)pyrene	49.00	46.72	95.4	3.35	30	55 - 110
Benzo(b)fluoranthene	49.00	50.74	104	14.2	30	45 - 120
Benzo(g,h,i)perylene	49.00	47.66	97.3	1.74	30	40 - 125
Benzoic acid	100.0	18.54	18.5	3.21	30	0 - 125
Benzo(k)fluoranthene	49.00	44.73	91.3	2.55	30	45 - 125
1,1-Biphenyl	50.00	50.10	100	12.2	30	50 - 110
4-Bromophenyl-phenylether	49.00	49.24	100	3.14	30	50 - 115
Butylbenzylphthalate	49.00	50.86	104	5.60	30	45 - 115
Caprolactam	**50.00**	**8.425**	**16.9 ***	**0.212**	**30**	**20 - 110**
Carbazole	48.00	45.28	94.3	1.30	30	50 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E15006	Laboratory ID:	2E15006-BSD1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
4-Chloro-3-methylphenol	100.0	88.92	88.9	4.01	30	45 - 110
4-Chloroaniline	48.00	38.97	81.2	4.04	30	15 - 110
Bis(2-chloroethoxy)methane	49.00	50.12	102	8.17	30	45 - 105
Bis(2-chloroethyl)ether	49.00	44.15	90.1	2.18	30	35 - 110
2,2'-Oxybis-1-chloropropane	49.00	42.37	86.5	4.86	30	25 - 130
2-Chloronaphthalene	49.00	41.00	83.7	5.47	30	50 - 105
2-Chlorophenol	100.0	74.48	74.5	4.16	30	35 - 105
4-Chlorophenyl phenyl ether	49.00	44.32	90.5	4.42	30	50 - 110
Chrysene	49.00	48.55	99.1	2.35	30	55 - 110
Dibenz(a,h)anthracene	49.00	48.62	99.2	3.92	30	40 - 125
Dibenzofuran	49.00	44.66	91.1	9.49	30	55 - 105
Di-n-butylphthalate	49.00	49.17	100	5.54	30	55 - 115
3,3'-Dichlorobenzidine	50.00	47.41	94.8	3.40	30	20 - 110
2,4-Dichlorophenol	100.0	84.25	84.2	5.23	30	40 - 110
Diethylphthalate	49.00	47.62	97.2	6.35	30	40 - 120
2,4-Dimethylphenol	100.0	91.27	91.3	4.61	30	30 - 110
Dimethyl phthalate	49.00	47.39	96.7	7.63	30	25 - 125
4,6-Dinitro-2-methylphenol	100.0	94.05	94.1	2.17	30	40 - 130
2,4-Dinitrophenol	100.0	95.62	95.6	9.72	30	15 - 140
2,4-Dinitrotoluene	49.00	48.25	98.5	11.5	30	50 - 120
2,6-Dinitrotoluene	49.00	46.05	94.0	7.29	30	50 - 115
Di-n-octylphthalate	49.00	49.68	101	3.25	30	35 - 135
1,2-Diphenylhydrazine	48.00	43.21	90.0	3.38	30	55 - 115
Bis(2-ethylhexyl)phthalate	49.00	49.78	102	3.13	30	40 - 125
Fluoranthene	49.00	46.01	93.9	0.477	30	55 - 115
Fluorene	49.00	44.26	90.3	5.81	30	50 - 110
Hexachlorobenzene	49.00	46.48	94.9	0.337	30	50 - 110
Hexachlorobutadiene	49.00	36.55	74.6	3.54	30	25 - 105
Hexachlorocyclopentadiene	49.00	41.34	84.4	3.73	30	10 - 110
Hexachloroethane	49.00	31.22	63.7	4.99	30	30 - 95

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E15006	Laboratory ID:	2E15006-BSD1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Indeno(1,2,3-cd)pyrene	49.00	48.11	98.2	2.91	30	45 - 125
Isophorone	49.00	45.35	92.5	3.47	30	50 - 110
1-Methylnaphthalene	50.00	40.74	81.5	1.08	30	30 - 115
2-Methylnaphthalene	49.00	39.37	80.3	0.235	30	45 - 105
2-Methylphenol	100.0	63.77	63.8	1.20	30	40 - 110
3-Methylphenol/4-Methylphenol	100.0	58.24	58.2	2.75	30	30 - 110
Naphthalene	49.00	38.59	78.8	0.407	30	40 - 100
4-Nitroaniline	48.00	47.92	99.8	9.95	30	35 - 120
3-Nitroaniline	48.00	41.89	87.3	12.1	30	20 - 125
2-Nitroaniline	48.00	49.20	103	3.79	30	50 - 115
Nitrobenzene	49.00	43.62	89.0	3.00	30	30 - 110
4-Nitrophenol	100.0	27.13	27.1	11.3	30	0 - 125
2-Nitrophenol	100.0	93.14	93.1	4.68	30	40 - 115
N-Nitrosodiphenylamine	49.00	37.27	76.1	3.78	30	50 - 110
N-Nitroso-di-n-propylamine	49.00	46.35	94.6	1.97	30	35 - 130
Pentachlorophenol	100.0	96.53	96.5	2.60	30	40 - 115
Phenanthrene	49.00	45.78	93.4	0.791	30	50 - 115
Phenol	100.0	24.84	24.8	4.21	30	0 - 115
Pyrene	49.00	46.92	95.7	7.45	30	50 - 130
2,4,6-Trichlorophenol	100.0	87.86	87.9	7.14	30	50 - 115
2,4,5-Trichlorophenol	100.0	95.72	95.7	6.03	30	50 - 110

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 2E10006 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0517	1205054-01	05/10/12 10:40	1,020.00	1.00
GW0517	1205054-01RE1	05/10/12 10:40	1,020.00	1.00
GW0518	1205054-03	05/10/12 10:40	1,020.00	1.00
GW0563	1205054-05	05/10/12 10:40	1,060.00	1.00
GW0563	1205054-05RE1	05/10/12 10:40	1,060.00	1.00
GW0564	1205054-07	05/10/12 10:40	1,060.00	1.00
GW0565	1205054-09	05/10/12 10:40	1,070.00	1.00
GW0587	1205054-11	05/10/12 10:40	1,070.00	1.00
GW0588	1205054-13	05/10/12 10:40	1,060.00	1.00
GW0589	1205054-15	05/10/12 10:40	1,060.00	1.00
GW0611	1205054-19	05/10/12 10:40	1,070.00	1.00
GW0612	1205054-21	05/10/12 10:40	1,060.00	1.00
GW8050-RB	1205054-23	05/10/12 10:40	1,020.00	1.00
Blank	2E10006-BLK1	05/10/12 10:40	1,000.00	1.00
LCS	2E10006-BS1	05/10/12 10:40	1,000.00	1.00
LCS Dup	2E10006-BSD1	05/10/12 10:40	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 2E11005 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0511	1205070-01	05/11/12 12:11	1,060.00	1.00
GW0512	1205070-03	05/11/12 12:11	1,040.00	1.00
GW0570	1205070-05	05/11/12 12:11	1,060.00	1.00
GW0586	1205070-07	05/11/12 12:11	1,060.00	1.00
GW0599	1205070-09	05/11/12 12:11	1,060.00	1.00
GW0600	1205070-11	05/11/12 12:11	1,070.00	1.00
GW0609	1205070-13	05/11/12 12:11	1,020.00	1.00
Blank	2E11005-BLK1	05/11/12 12:11	1,000.00	1.00
LCS	2E11005-BS1	05/11/12 12:11	1,000.00	1.00
LCS Dup	2E11005-BSD1	05/11/12 12:11	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 2E14006 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0508	1205080-01RE1	05/14/12 10:52	1,040.00	1.00
GW0508	1205080-01RE2	05/14/12 10:52	1,040.00	1.00
GW0509	1205080-03	05/14/12 10:52	1,060.00	1.00
GW0513	1205080-05	05/14/12 10:52	1,060.00	1.00
GW0583	1205080-07	05/14/12 10:52	1,000.00	1.00
GW0583	1205080-07RE1	05/14/12 10:52	1,000.00	1.00
GW0584	1205080-09	05/14/12 10:52	1,020.00	1.00
GW8051-RB	1205080-11	05/14/12 10:52	1,020.00	1.00
Blank	2E14006-BLK1	05/14/12 10:52	1,000.00	1.00
LCS	2E14006-BS1	05/14/12 10:52	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 2E15006 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0610	1205054-17RE1	05/15/12 13:19	500.00	1.00
GW0585	1205096-01	05/15/12 13:19	1,040.00	1.00
Blank	2E15006-BLK1	05/15/12 13:19	1,000.00	1.00
LCS	2E15006-BS1	05/15/12 13:19	1,000.00	1.00
LCS Dup	2E15006-BSD1	05/15/12 13:19	1,000.00	1.00

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	04/27/12
Instrument ID:	MS-BNA1	Injection Time:	18:06
Sequence:	2D12112	Lab Sample ID:	2D12112-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	37.5	PASS
68	Less than 2% of 69	1.45	PASS
69	Less than 200% of 198	46.5	PASS
70	Less than 2% of 69	0.984	PASS
127	40 - 60% of 198	42.7	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.23	PASS
275	10 - 30% of 198	21.8	PASS
365	1 - 200% of 198	3.03	PASS
441	0.001 - 100% of 443	69.1	PASS
442	40 - 200% of 198	114	PASS
443	17 - 23% of 442	20	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	05/14/12
Instrument ID:	MS-BNA1	Injection Time:	13:02
Sequence:	2E13601	Lab Sample ID:	2E13601-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	36.2	PASS
68	Less than 2% of 69	1.06	PASS
69	Less than 200% of 198	48.3	PASS
70	Less than 2% of 69	0.787	PASS
127	40 - 60% of 198	40	PASS
197	Less than 1% of 198	0.286	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.71	PASS
275	10 - 30% of 198	23.5	PASS
365	1 - 200% of 198	3.14	PASS
441	0.001 - 100% of 443	74.3	PASS
442	40 - 200% of 198	140	PASS
443	17 - 23% of 442	18.8	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	05/15/12
Instrument ID:	MS-BNA1	Injection Time:	12:02
Sequence:	2E13901	Lab Sample ID:	2E13901-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	42	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	51.6	PASS
70	Less than 2% of 69	0.551	PASS
127	40 - 60% of 198	48.5	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	7.21	PASS
275	10 - 30% of 198	20.1	PASS
365	1 - 200% of 198	2.04	PASS
441	0.001 - 100% of 443	70.6	PASS
442	40 - 200% of 198	67.3	PASS
443	17 - 23% of 442	20.8	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	05/16/12
Instrument ID:	MS-BNA1	Injection Time:	08:48
Sequence:	2E13902	Lab Sample ID:	2E13902-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	45.1	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	56.8	PASS
70	Less than 2% of 69	0.475	PASS
127	40 - 60% of 198	47.7	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.32	PASS
275	10 - 30% of 198	17.4	PASS
365	1 - 200% of 198	1.68	PASS
441	0.001 - 100% of 443	65.7	PASS
442	40 - 200% of 198	50	PASS
443	17 - 23% of 442	20.9	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	05/18/12
Instrument ID:	MS-BNA1	Injection Time:	14:18
Sequence:	2E14201	Lab Sample ID:	2E14201-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	45	PASS
68	Less than 2% of 69	1.33	PASS
69	Less than 200% of 198	60.1	PASS
70	Less than 2% of 69	0.555	PASS
127	40 - 60% of 198	50.9	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.81	PASS
275	10 - 30% of 198	19.6	PASS
365	1 - 200% of 198	1.58	PASS
441	0.001 - 100% of 443	65.2	PASS
442	40 - 200% of 198	50.2	PASS
443	17 - 23% of 442	22.7	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	05/21/12
Instrument ID:	MS-BNA1	Injection Time:	07:24
Sequence:	2E14302	Lab Sample ID:	2E14302-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	47.1	PASS
68	Less than 2% of 69	1.82	PASS
69	Less than 200% of 198	60.7	PASS
70	Less than 2% of 69	0.697	PASS
127	40 - 60% of 198	51.6	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.28	PASS
275	10 - 30% of 198	18.4	PASS
365	1 - 200% of 198	1.6	PASS
441	0.001 - 100% of 443	79.1	PASS
442	40 - 200% of 198	50.9	PASS
443	17 - 23% of 442	19.7	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	05/29/12
Instrument ID:	MS-BNA1	Injection Time:	11:11
Sequence:	2E15109	Lab Sample ID:	2E15109-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	35.4	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	51.9	PASS
70	Less than 2% of 69	0.467	PASS
127	40 - 60% of 198	50.4	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.88	PASS
275	10 - 30% of 198	19	PASS
365	1 - 200% of 198	2.16	PASS
441	0.001 - 100% of 443	70.8	PASS
442	40 - 200% of 198	60.9	PASS
443	17 - 23% of 442	20.7	PASS

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D12112	Instrument:	MS-BNA1
Calibration:	2121007		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2D12112-TUN1	SEQ-TUN1.D	04/27/12 18:06
Cal Standard	2D12112-CAL1	SEQ-CAL1.D	04/27/12 18:27
Cal Standard	2D12112-CAL2	SEQ-CAL2.D	04/27/12 18:54
Cal Standard	2D12112-CAL3	SEQ-CAL3.D	04/27/12 19:21
Cal Standard	2D12112-CAL4	SEQ-CAL4.D	04/27/12 19:48
Cal Standard	2D12112-CAL5	SEQ-CAL5.D	04/27/12 20:16
Cal Standard	2D12112-CAL6	SEQ-CAL6.D	04/27/12 20:43
Cal Standard	2D12112-CAL7	SEQ-CAL7.D	04/27/12 21:10
Cal Standard	2D12112-CAL8	SEQ-CAL8.D	04/27/12 21:37
Cal Standard	2D12112-CAL9	SEQCAL9.D	04/27/12 22:04
Cal Standard	2D12112-CALA	SEQCALA.D	04/27/12 22:31
Cal Standard	2D12112-CALB	SEQCALB.D	04/27/12 22:58
Cal Standard	2D12112-CALC	SEQCALC.D	04/27/12 23:25
Cal Standard	2D12112-CALD	SEQCALD.D	04/27/12 23:52
Cal Standard	2D12112-CALE	SEQCALE.D	04/28/12 00:19
Cal Standard	2D12112-CALF	SEQCALF.D	04/28/12 00:46
Cal Standard	2D12112-CALG	SEQCALG.D	04/28/12 01:13
Initial Cal Check	2D12112-ICV1	SEQ-ICV1.D	04/28/12 01:40
Initial Cal Check	2D12112-ICV2	SEQ-ICV2.D	04/28/12 02:07

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13601	Instrument:	MS-BNA1
Calibration:	2121007		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2E13601-TUN1	SEQ-TUN1.D	05/14/12 13:02
Calibration Check	2E13601-CCV1	SEQ-CCV1.D	05/14/12 13:27
Calibration Check	2E13601-CCV2	SEQ-CCV2.D	05/14/12 13:54
Blank	2E10006-BLK1	E10006B1.D	05/14/12 14:23
LCS	2E10006-BS1	E10006L1.D	05/14/12 14:51
LCS Dup	2E10006-BSD1	E10006L2.D	05/14/12 15:18
GW0518	1205054-03	0505403.D	05/14/12 16:13
GW0564	1205054-07	0505407.D	05/14/12 17:08
GW0565	1205054-09	0505409.D	05/14/12 17:35
GW0588	1205054-13	0505413.D	05/14/12 18:30
GW0589	1205054-15	0505415.D	05/14/12 18:57
GW0611	1205054-19	0505419.D	05/14/12 19:52
GW0612	1205054-21	0505421.D	05/14/12 20:19
GW8050-RB	1205054-23	0505423.D	05/14/12 20:46

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13901	Instrument:	MS-BNA1
Calibration:	2121007		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2E13901-TUN1	SEQ-TUN1.D	05/15/12 12:02
Calibration Check	2E13901-CCV1	SEQ-CCV1.D	05/15/12 12:25
Calibration Check	2E13901-CCV2	SEQ-CCV2.D	05/15/12 12:53
Blank	2E11005-BLK1	E11005B1.D	05/15/12 13:20
LCS	2E11005-BS1	E11005L1.D	05/15/12 13:48
LCS Dup	2E11005-BSD1	E11005L2.D	05/15/12 14:15
GW0570	1205070-05	0507005D.D	05/15/12 14:43
GW0586	1205070-07	0507007D.D	05/15/12 15:10
GW0599	1205070-09	0507009.D	05/15/12 17:01
GW0600	1205070-11	0507011.D	05/15/12 17:28
GW0609	1205070-13	0507013.D	05/15/12 17:55
GW0587	1205054-11	0505411D.D	05/15/12 19:17
GW0517	1205054-01	0505401D.D	05/15/12 19:44
GW0563	1205054-05	0505405D.D	05/15/12 20:12
GW0511	1205070-01	0507001D.D	05/15/12 20:39
GW0512	1205070-03	0507003D.D	05/15/12 21:06

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13902	Instrument:	MS-BNA1
Calibration:	2121007		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2E13902-TUN1	SEQ-TUN1.D	05/16/12 08:48
Calibration Check	2E13902-CCV1	SEQ-CCV1.D	05/16/12 09:12
Calibration Check	2E13902-CCV2	SEQ-CCV2.D	05/16/12 09:39
GW0517	1205054-01RE1	505401D2.D	05/16/12 10:07
GW0563	1205054-05RE1	505405D2.D	05/16/12 10:34
Blank	2E15006-BLK1	E15006B1.D	05/16/12 16:15
LCS	2E15006-BS1	E15006L1.D	05/16/12 16:43
LCS Dup	2E15006-BSD1	E15006L2.D	05/16/12 17:11
GW0610	1205054-17RE1	0505417R.D	05/16/12 17:38
GW0585	1205096-01	0509601.D	05/16/12 19:00

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E14201	Instrument:	MS-BNA1
Calibration:	2121007		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2E14201-TUN1	SEQ-TUN1.D	05/18/12 14:18
Calibration Check	2E14201-CCV1	SEQ-CCV1.D	05/18/12 14:41
Calibration Check	2E14201-CCV2	SEQ-CCV2.D	05/18/12 15:09
Blank	2E14006-BLK1	E14006B1.D	05/18/12 15:36
LCS	2E14006-BS1	E14006L1.D	05/18/12 16:04
GW0509	1205080-03	0508003.D	05/18/12 17:26
GW0584	1205080-09	0508009.D	05/18/12 17:54
GW8051-RB	1205080-11	0508011.D	05/18/12 18:21
GW0513	1205080-05	0508005D.D	05/19/12 00:40
GW0583	1205080-07	0508007D.D	05/19/12 01:07

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E14302	Instrument:	MS-BNA1
Calibration:	2121007		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2E14302-TUN1	SEQ-TUN1.D	05/21/12 07:24
Calibration Check	2E14302-CCV1	SEQ-CCV1.D	05/21/12 07:47
Calibration Check	2E14302-CCV2	SEQ-CCV2.D	05/21/12 08:14
GW0508	1205080-01RE1	0508001.D	05/21/12 08:41
GW0583	1205080-07RE1	508007D2.D	05/21/12 09:09

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E15109	Instrument:	MS-BNA1
Calibration:	2121007		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2E15109-TUN1	SEQ-TUN1.D	05/29/12 11:11
Calibration Check	2E15109-CCV1	SEQ-CCV1.D	05/29/12 11:34
Calibration Check	2E15109-CCV2	SEQ-CCV2.D	05/29/12 12:02
GW0508	1205080-01RE2	0508001.D	05/29/12 19:23

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13601	Instrument:	MS-BNA1
		Calibration:	2121007

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2E13601-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 05/14/12 13:27			
1,4-Dichlorobenzene-d4	519257	5.02	596380	5.022	87	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	1937195	6.466	2345527	6.469	83	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	904672	8.584	1111180	8.595	81	50 - 200	-0.0110	+/-0.50	
Phenanthrene-d10	1498322	10.362	1923005	10.364	78	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	1449301	13.745	1738806	13.763	83	50 - 200	-0.0180	+/-0.50	
Perylene-d12	1475356	16.009	1691980	16.02	87	50 - 200	-0.0110	+/-0.50	
Calibration Check (2E13601-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 05/14/12 13:54			
1,4-Dichlorobenzene-d4	505195	5.025	519257	5.02	97	50 - 200	0.0050	+/-0.50	
Naphthalene-d8	1895461	6.469	1937195	6.466	98	50 - 200	0.0030	+/-0.50	
Acenaphthene-d10	899305	8.586	904672	8.584	99	50 - 200	0.0020	+/-0.50	
Phenanthrene-d10	1506337	10.362	1498322	10.362	101	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1495220	13.746	1449301	13.745	103	50 - 200	0.0010	+/-0.50	
Perylene-d12	1474739	16.003	1475356	16.009	100	50 - 200	-0.0060	+/-0.50	
Blank (2E10006-BLK1)			Lab File ID: E10006B1.D			Analyzed: 05/14/12 14:23			
1,4-Dichlorobenzene-d4	529412	5.02	519257	5.02	102	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2033510	6.464	1937195	6.466	105	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	945766	8.582	904672	8.584	105	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	1634768	10.358	1498322	10.362	109	50 - 200	-0.0040	+/-0.50	
Chrysene-d12	1613937	13.745	1449301	13.745	111	50 - 200	0.0000	+/-0.50	
Perylene-d12	1601977	16.003	1475356	16.009	109	50 - 200	-0.0060	+/-0.50	
LCS (2E10006-BS1)			Lab File ID: E10006L1.D			Analyzed: 05/14/12 14:51			
1,4-Dichlorobenzene-d4	513349	5.025	519257	5.02	99	50 - 200	0.0050	+/-0.50	
Naphthalene-d8	1941008	6.472	1937195	6.466	100	50 - 200	0.0060	+/-0.50	
Acenaphthene-d10	936449	8.58	904672	8.584	104	50 - 200	-0.0040	+/-0.50	
Phenanthrene-d10	1596133	10.362	1498322	10.362	107	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1540402	13.748	1449301	13.745	106	50 - 200	0.0030	+/-0.50	
Perylene-d12	1547976	16.008	1475356	16.009	105	50 - 200	-0.0010	+/-0.50	
LCS Dup (2E10006-BSD1)			Lab File ID: E10006L2.D			Analyzed: 05/14/12 15:18			
1,4-Dichlorobenzene-d4	546411	5.027	519257	5.02	105	50 - 200	0.0070	+/-0.50	
Naphthalene-d8	2106017	6.463	1937195	6.466	109	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	1001780	8.585	904672	8.584	111	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10	1731460	10.363	1498322	10.362	116	50 - 200	0.0010	+/-0.50	
Chrysene-d12	1640307	13.746	1449301	13.745	113	50 - 200	0.0010	+/-0.50	
Perylene-d12	1655596	16.003	1475356	16.009	112	50 - 200	-0.0060	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13601	Instrument:	MS-BNA1
		Calibration:	2121007

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0518 (1205054-03)			Lab File ID: 0505403.D			Analyzed: 05/14/12 16:13			
1,4-Dichlorobenzene-d4	486113	5.022	519257	5.02	94	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	1866451	6.469	1937195	6.466	96	50 - 200	0.0030	+/-0.50	
Acenaphthene-d10	883322	8.581	904672	8.584	98	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	1492850	10.359	1498322	10.362	100	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	1492266	13.746	1449301	13.745	103	50 - 200	0.0010	+/-0.50	
Perylene-d12	1479793	16.007	1475356	16.009	100	50 - 200	-0.0020	+/-0.50	
GW0564 (1205054-07)			Lab File ID: 0505407.D			Analyzed: 05/14/12 17:08			
1,4-Dichlorobenzene-d4	477370	5.021	519257	5.02	92	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	1828450	6.467	1937195	6.466	94	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	859006	8.578	904672	8.584	95	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	1536797	10.355	1498322	10.362	103	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	1446017	13.746	1449301	13.745	100	50 - 200	0.0010	+/-0.50	
Perylene-d12	1479770	16.003	1475356	16.009	100	50 - 200	-0.0060	+/-0.50	
GW0565 (1205054-09)			Lab File ID: 0505409.D			Analyzed: 05/14/12 17:35			
1,4-Dichlorobenzene-d4	474061	5.018	519257	5.02	91	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	1780766	6.463	1937195	6.466	92	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	861199	8.58	904672	8.584	95	50 - 200	-0.0040	+/-0.50	
Phenanthrene-d10	1497510	10.355	1498322	10.362	100	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	1444239	13.749	1449301	13.745	100	50 - 200	0.0040	+/-0.50	
Perylene-d12	1441770	16.004	1475356	16.009	98	50 - 200	-0.0050	+/-0.50	
GW0588 (1205054-13)			Lab File ID: 0505413.D			Analyzed: 05/14/12 18:30			
1,4-Dichlorobenzene-d4	474605	5.019	519257	5.02	91	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	1828164	6.462	1937195	6.466	94	50 - 200	-0.0040	+/-0.50	
Acenaphthene-d10	898853	8.581	904672	8.584	99	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	1547532	10.358	1498322	10.362	103	50 - 200	-0.0040	+/-0.50	
Chrysene-d12	1463249	13.74	1449301	13.745	101	50 - 200	-0.0050	+/-0.50	
Perylene-d12	1511862	16.001	1475356	16.009	102	50 - 200	-0.0080	+/-0.50	
GW0589 (1205054-15)			Lab File ID: 0505415.D			Analyzed: 05/14/12 18:57			
1,4-Dichlorobenzene-d4	493854	5.026	519257	5.02	95	50 - 200	0.0060	+/-0.50	
Naphthalene-d8	1885652	6.469	1937195	6.466	97	50 - 200	0.0030	+/-0.50	
Acenaphthene-d10	887403	8.577	904672	8.584	98	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	1540212	10.354	1498322	10.362	103	50 - 200	-0.0080	+/-0.50	
Chrysene-d12	1496116	13.747	1449301	13.745	103	50 - 200	0.0020	+/-0.50	
Perylene-d12	1604963	16.009	1475356	16.009	109	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13601	Instrument:	MS-BNA1
		Calibration:	2121007

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0611 (1205054-19)			Lab File ID: 0505419.D			Analyzed: 05/14/12 19:52			
1,4-Dichlorobenzene-d4	489893	5.026	519257	5.02	94	50 - 200	0.0060	+/-0.50	
Naphthalene-d8	1905262	6.46	1937195	6.466	98	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	898937	8.578	904672	8.584	99	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	1601270	10.354	1498322	10.362	107	50 - 200	-0.0080	+/-0.50	
Chrysene-d12	1529970	13.743	1449301	13.745	106	50 - 200	-0.0020	+/-0.50	
Perylene-d12	1610159	16.004	1475356	16.009	109	50 - 200	-0.0050	+/-0.50	
GW0612 (1205054-21)			Lab File ID: 0505421.D			Analyzed: 05/14/12 20:19			
1,4-Dichlorobenzene-d4	485709	5.025	519257	5.02	94	50 - 200	0.0050	+/-0.50	
Naphthalene-d8	1850990	6.469	1937195	6.466	96	50 - 200	0.0030	+/-0.50	
Acenaphthene-d10	883244	8.585	904672	8.584	98	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10	1527620	10.352	1498322	10.362	102	50 - 200	-0.0100	+/-0.50	
Chrysene-d12	1468380	13.74	1449301	13.745	101	50 - 200	-0.0050	+/-0.50	
Perylene-d12	1551444	16.002	1475356	16.009	105	50 - 200	-0.0070	+/-0.50	
GW8050-RB (1205054-23)			Lab File ID: 0505423.D			Analyzed: 05/14/12 20:46			
1,4-Dichlorobenzene-d4	525878	5.024	519257	5.02	101	50 - 200	0.0040	+/-0.50	
Naphthalene-d8	1934465	6.467	1937195	6.466	100	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	914925	8.584	904672	8.584	101	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	1565366	10.352	1498322	10.362	104	50 - 200	-0.0100	+/-0.50	
Chrysene-d12	1573603	13.744	1449301	13.745	109	50 - 200	-0.0010	+/-0.50	
Perylene-d12	1555611	16.004	1475356	16.009	105	50 - 200	-0.0050	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13901	Instrument:	MS-BNA1
		Calibration:	2121007

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2E13901-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 05/15/12 12:25			
1,4-Dichlorobenzene-d4	492261	5.024	596380	5.022	83	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	1916391	6.461	2345527	6.469	82	50 - 200	-0.0080	+/-0.50	
Acenaphthene-d10	891284	8.582	1111180	8.595	80	50 - 200	-0.0130	+/-0.50	
Phenanthrene-d10	1563133	10.357	1923005	10.364	81	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	1481819	13.743	1738806	13.763	85	50 - 200	-0.0200	+/-0.50	
Perylene-d12	1501509	16	1691980	16.02	89	50 - 200	-0.0200	+/-0.50	
Calibration Check (2E13901-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 05/15/12 12:53			
1,4-Dichlorobenzene-d4	476255	5.024	492261	5.024	97	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	1806635	6.467	1916391	6.461	94	50 - 200	0.0060	+/-0.50	
Acenaphthene-d10	840567	8.584	891284	8.582	94	50 - 200	0.0020	+/-0.50	
Phenanthrene-d10	1450194	10.358	1563133	10.357	93	50 - 200	0.0010	+/-0.50	
Chrysene-d12	1434949	13.74	1481819	13.743	97	50 - 200	-0.0030	+/-0.50	
Perylene-d12	1403234	16.001	1501509	16	93	50 - 200	0.0010	+/-0.50	
Blank (2E11005-BLK1)			Lab File ID: E11005B1.D			Analyzed: 05/15/12 13:20			
1,4-Dichlorobenzene-d4	393863	5.02	492261	5.024	80	50 - 200	-0.0040	+/-0.50	
Naphthalene-d8	1493090	6.463	1916391	6.461	78	50 - 200	0.0020	+/-0.50	
Acenaphthene-d10	698783	8.585	891284	8.582	78	50 - 200	0.0030	+/-0.50	
Phenanthrene-d10	1192704	10.357	1563133	10.357	76	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1170489	13.742	1481819	13.743	79	50 - 200	-0.0010	+/-0.50	
Perylene-d12	1181800	16.003	1501509	16	79	50 - 200	0.0030	+/-0.50	
LCS (2E11005-BS1)			Lab File ID: E11005L1.D			Analyzed: 05/15/12 13:48			
1,4-Dichlorobenzene-d4	363203	5.024	492261	5.024	74	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	1399863	6.47	1916391	6.461	73	50 - 200	0.0090	+/-0.50	
Acenaphthene-d10	670588	8.585	891284	8.582	75	50 - 200	0.0030	+/-0.50	
Phenanthrene-d10	1202243	10.357	1563133	10.357	77	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1099276	13.741	1481819	13.743	74	50 - 200	-0.0020	+/-0.50	
Perylene-d12	1137364	16	1501509	16	76	50 - 200	0.0000	+/-0.50	
LCS Dup (2E11005-BSD1)			Lab File ID: E11005L2.D			Analyzed: 05/15/12 14:15			
1,4-Dichlorobenzene-d4	357963	5.027	492261	5.024	73	50 - 200	0.0030	+/-0.50	
Naphthalene-d8	1360888	6.462	1916391	6.461	71	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	654767	8.581	891284	8.582	73	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10	1083590	10.362	1563133	10.357	69	50 - 200	0.0050	+/-0.50	
Chrysene-d12	1056799	13.747	1481819	13.743	71	50 - 200	0.0040	+/-0.50	
Perylene-d12	1038538	16.006	1501509	16	69	50 - 200	0.0060	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13901	Instrument:	MS-BNA1
		Calibration:	2121007

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0570 (1205070-05)			Lab File ID: 0507005D.D			Analyzed: 05/15/12 14:43			
1,4-Dichlorobenzene-d4	440271	5.017	492261	5.024	89	50 - 200	-0.0070	+/-0.50	
Naphthalene-d8	1672228	6.465	1916391	6.461	87	50 - 200	0.0040	+/-0.50	
Acenaphthene-d10	786057	8.582	891284	8.582	88	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	1285140	10.352	1563133	10.357	82	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	1312024	13.746	1481819	13.743	89	50 - 200	0.0030	+/-0.50	
Perylene-d12	1313162	16.002	1501509	16	87	50 - 200	0.0020	+/-0.50	
GW0586 (1205070-07)			Lab File ID: 0507007D.D			Analyzed: 05/15/12 15:10			
1,4-Dichlorobenzene-d4	423679	5.018	492261	5.024	86	50 - 200	-0.0060	+/-0.50	
Naphthalene-d8	1634936	6.462	1916391	6.461	85	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	822825	8.585	891284	8.582	92	50 - 200	0.0030	+/-0.50	
Phenanthrene-d10	1369417	10.352	1563133	10.357	88	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	1291794	13.74	1481819	13.743	87	50 - 200	-0.0030	+/-0.50	
Perylene-d12	1279844	16.006	1501509	16	85	50 - 200	0.0060	+/-0.50	
GW0599 (1205070-09)			Lab File ID: 0507009.D			Analyzed: 05/15/12 17:01			
1,4-Dichlorobenzene-d4	500006	5.021	492261	5.024	102	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	1882177	6.469	1916391	6.461	98	50 - 200	0.0080	+/-0.50	
Acenaphthene-d10	887588	8.585	891284	8.582	100	50 - 200	0.0030	+/-0.50	
Phenanthrene-d10	1533247	10.359	1563133	10.357	98	50 - 200	0.0020	+/-0.50	
Chrysene-d12	1467941	13.745	1481819	13.743	99	50 - 200	0.0020	+/-0.50	
Perylene-d12	1423739	16.002	1501509	16	95	50 - 200	0.0020	+/-0.50	
GW0600 (1205070-11)			Lab File ID: 0507011.D			Analyzed: 05/15/12 17:28			
1,4-Dichlorobenzene-d4	405058	5.021	492261	5.024	82	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	1554262	6.462	1916391	6.461	81	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	737109	8.587	891284	8.582	83	50 - 200	0.0050	+/-0.50	
Phenanthrene-d10	1222229	10.358	1563133	10.357	78	50 - 200	0.0010	+/-0.50	
Chrysene-d12	1218003	13.743	1481819	13.743	82	50 - 200	0.0000	+/-0.50	
Perylene-d12	1182277	15.999	1501509	16	79	50 - 200	-0.0010	+/-0.50	
GW0609 (1205070-13)			Lab File ID: 0507013.D			Analyzed: 05/15/12 17:55			
1,4-Dichlorobenzene-d4	413189	5.025	492261	5.024	84	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	1534892	6.468	1916391	6.461	80	50 - 200	0.0070	+/-0.50	
Acenaphthene-d10	719009	8.584	891284	8.582	81	50 - 200	0.0020	+/-0.50	
Phenanthrene-d10	1282751	10.359	1563133	10.357	82	50 - 200	0.0020	+/-0.50	
Chrysene-d12	1200401	13.744	1481819	13.743	81	50 - 200	0.0010	+/-0.50	
Perylene-d12	1199518	15.999	1501509	16	80	50 - 200	-0.0010	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13901	Instrument:	MS-BNA1
		Calibration:	2121007

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0587 (1205054-11)			Lab File ID: 0505411D.D			Analyzed: 05/15/12 19:17			
1,4-Dichlorobenzene-d4	492578	5.019	492261	5.024	100	50 - 200	-0.0050	+/-0.50	
Naphthalene-d8	1968194	6.469	1916391	6.461	103	50 - 200	0.0080	+/-0.50	
Acenaphthene-d10	936337	8.579	891284	8.582	105	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	1583305	10.355	1563133	10.357	101	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	1544787	13.741	1481819	13.743	104	50 - 200	-0.0020	+/-0.50	
Perylene-d12	1456617	16.006	1501509	16	97	50 - 200	0.0060	+/-0.50	
GW0517 (1205054-01)			Lab File ID: 0505401D.D			Analyzed: 05/15/12 19:44			
1,4-Dichlorobenzene-d4	589551	5.02	492261	5.024	120	50 - 200	-0.0040	+/-0.50	
Naphthalene-d8	2258299	6.468	1916391	6.461	118	50 - 200	0.0070	+/-0.50	
Acenaphthene-d10	1056387	8.582	891284	8.582	119	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	1788780	10.36	1563133	10.357	114	50 - 200	0.0030	+/-0.50	
Chrysene-d12	1745320	13.743	1481819	13.743	118	50 - 200	0.0000	+/-0.50	
Perylene-d12	1742478	16.006	1501509	16	116	50 - 200	0.0060	+/-0.50	
GW0563 (1205054-05)			Lab File ID: 0505405D.D			Analyzed: 05/15/12 20:12			
1,4-Dichlorobenzene-d4	563530	5.018	492261	5.024	114	50 - 200	-0.0060	+/-0.50	
Naphthalene-d8	2274196	6.466	1916391	6.461	119	50 - 200	0.0050	+/-0.50	
Acenaphthene-d10	1068993	8.582	891284	8.582	120	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	1865828	10.361	1563133	10.357	119	50 - 200	0.0040	+/-0.50	
Chrysene-d12	1756577	13.745	1481819	13.743	119	50 - 200	0.0020	+/-0.50	
Perylene-d12	1734279	16	1501509	16	116	50 - 200	0.0000	+/-0.50	
GW0511 (1205070-01)			Lab File ID: 0507001D.D			Analyzed: 05/15/12 20:39			
1,4-Dichlorobenzene-d4	476193	5.018	492261	5.024	97	50 - 200	-0.0060	+/-0.50	
Naphthalene-d8	1848535	6.464	1916391	6.461	96	50 - 200	0.0030	+/-0.50	
Acenaphthene-d10	908484	8.582	891284	8.582	102	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	1504056	10.356	1563133	10.357	96	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	1425685	13.747	1481819	13.743	96	50 - 200	0.0040	+/-0.50	
Perylene-d12	1398198	16.001	1501509	16	93	50 - 200	0.0010	+/-0.50	
GW0512 (1205070-03)			Lab File ID: 0507003D.D			Analyzed: 05/15/12 21:06			
1,4-Dichlorobenzene-d4	471562	5.018	492261	5.024	96	50 - 200	-0.0060	+/-0.50	
Naphthalene-d8	1860465	6.465	1916391	6.461	97	50 - 200	0.0040	+/-0.50	
Acenaphthene-d10	901281	8.582	891284	8.582	101	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	1519806	10.357	1563133	10.357	97	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1458808	13.745	1481819	13.743	98	50 - 200	0.0020	+/-0.50	
Perylene-d12	1417237	15.999	1501509	16	94	50 - 200	-0.0010	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13902	Instrument:	MS-BNA1
		Calibration:	2121007

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2E13902-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 05/16/12 09:12			
1,4-Dichlorobenzene-d4	477146	5.017	596380	5.022	80	50 - 200	-0.0050	+/-0.50	
Naphthalene-d8	1794003	6.461	2345527	6.469	76	50 - 200	-0.0080	+/-0.50	
Acenaphthene-d10	840716	8.579	1111180	8.595	76	50 - 200	-0.0160	+/-0.50	
Phenanthrene-d10	1421059	10.36	1923005	10.364	74	50 - 200	-0.0040	+/-0.50	
Chrysene-d12	1405223	13.74	1738806	13.763	81	50 - 200	-0.0230	+/-0.50	
Perylene-d12	1389270	15.997	1691980	16.02	82	50 - 200	-0.0230	+/-0.50	
Calibration Check (2E13902-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 05/16/12 09:39			
1,4-Dichlorobenzene-d4	479318	5.022	477146	5.017	100	50 - 200	0.0050	+/-0.50	
Naphthalene-d8	1814266	6.464	1794003	6.461	101	50 - 200	0.0030	+/-0.50	
Acenaphthene-d10	862739	8.582	840716	8.579	103	50 - 200	0.0030	+/-0.50	
Phenanthrene-d10	1463042	10.355	1421059	10.36	103	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	1468843	13.739	1405223	13.74	105	50 - 200	-0.0010	+/-0.50	
Perylene-d12	1385479	15.996	1389270	15.997	100	50 - 200	-0.0010	+/-0.50	
GW0517 (1205054-01RE1)			Lab File ID: 505401D2.D			Analyzed: 05/16/12 10:07			
1,4-Dichlorobenzene-d4	440926	5.015	477146	5.017	92	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	1754688	6.461	1794003	6.461	98	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	829467	8.574	840716	8.579	99	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	1448659	10.357	1421059	10.36	102	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	1331115	13.737	1405223	13.74	95	50 - 200	-0.0030	+/-0.50	
Perylene-d12	1299958	15.997	1389270	15.997	94	50 - 200	0.0000	+/-0.50	
GW0563 (1205054-05RE1)			Lab File ID: 505405D2.D			Analyzed: 05/16/12 10:34			
1,4-Dichlorobenzene-d4	517485	5.016	477146	5.017	108	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	1992380	6.461	1794003	6.461	111	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	913146	8.583	840716	8.579	109	50 - 200	0.0040	+/-0.50	
Phenanthrene-d10	1571307	10.353	1421059	10.36	111	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	1514692	13.74	1405223	13.74	108	50 - 200	0.0000	+/-0.50	
Perylene-d12	1442861	16.001	1389270	15.997	104	50 - 200	0.0040	+/-0.50	
Blank (2E15006-BLK1)			Lab File ID: E15006B1.D			Analyzed: 05/16/12 16:15			
1,4-Dichlorobenzene-d4	441214	5.027	477146	5.017	92	50 - 200	0.0100	+/-0.50	
Naphthalene-d8	1729060	6.467	1794003	6.461	96	50 - 200	0.0060	+/-0.50	
Acenaphthene-d10	820563	8.583	840716	8.579	98	50 - 200	0.0040	+/-0.50	
Phenanthrene-d10	1335912	10.362	1421059	10.36	94	50 - 200	0.0020	+/-0.50	
Chrysene-d12	1300933	13.742	1405223	13.74	93	50 - 200	0.0020	+/-0.50	
Perylene-d12	1260356	16.007	1389270	15.997	91	50 - 200	0.0100	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13902	Instrument:	MS-BNA1
		Calibration:	2121007

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LCS (2E15006-BS1)			Lab File ID: E15006L1.D			Analyzed: 05/16/12 16:43			
1,4-Dichlorobenzene-d4	480384	5.018	477146	5.017	101	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	1867108	6.466	1794003	6.461	104	50 - 200	0.0050	+/-0.50	
Acenaphthene-d10	912827	8.586	840716	8.579	109	50 - 200	0.0070	+/-0.50	
Phenanthrene-d10	1470052	10.359	1421059	10.36	103	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	1380302	13.744	1405223	13.74	98	50 - 200	0.0040	+/-0.50	
Perylene-d12	1364058	16.006	1389270	15.997	98	50 - 200	0.0090	+/-0.50	
LCS Dup (2E15006-BSD1)			Lab File ID: E15006L2.D			Analyzed: 05/16/12 17:11			
1,4-Dichlorobenzene-d4	462670	5.027	477146	5.017	97	50 - 200	0.0100	+/-0.50	
Naphthalene-d8	1792542	6.464	1794003	6.461	100	50 - 200	0.0030	+/-0.50	
Acenaphthene-d10	838779	8.587	840716	8.579	100	50 - 200	0.0080	+/-0.50	
Phenanthrene-d10	1439675	10.357	1421059	10.36	101	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	1322607	13.745	1405223	13.74	94	50 - 200	0.0050	+/-0.50	
Perylene-d12	1311537	16.003	1389270	15.997	94	50 - 200	0.0060	+/-0.50	
GW0610 (1205054-17RE1)			Lab File ID: 0505417R.D			Analyzed: 05/16/12 17:38			
1,4-Dichlorobenzene-d4	475319	5.025	477146	5.017	100	50 - 200	0.0080	+/-0.50	
Naphthalene-d8	1836660	6.469	1794003	6.461	102	50 - 200	0.0080	+/-0.50	
Acenaphthene-d10	864455	8.577	840716	8.579	103	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	1450189	10.354	1421059	10.36	102	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	1409878	13.742	1405223	13.74	100	50 - 200	0.0020	+/-0.50	
Perylene-d12	1338455	16.001	1389270	15.997	96	50 - 200	0.0040	+/-0.50	
GW0585 (1205096-01)			Lab File ID: 0509601.D			Analyzed: 05/16/12 19:00			
1,4-Dichlorobenzene-d4	540621	5.025	477146	5.017	113	50 - 200	0.0080	+/-0.50	
Naphthalene-d8	2063179	6.468	1794003	6.461	115	50 - 200	0.0070	+/-0.50	
Acenaphthene-d10	955745	8.583	840716	8.579	114	50 - 200	0.0040	+/-0.50	
Phenanthrene-d10	1682012	10.358	1421059	10.36	118	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	1492434	13.739	1405223	13.74	106	50 - 200	-0.0010	+/-0.50	
Perylene-d12	1471612	16.001	1389270	15.997	106	50 - 200	0.0040	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E14201	Instrument:	MS-BNA1
		Calibration:	2121007

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2E14201-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 05/18/12 14:41			
1,4-Dichlorobenzene-d4	563397	5.024	596380	5.022	94	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	2185399	6.461	2345527	6.469	93	50 - 200	-0.0080	+/-0.50	
Acenaphthene-d10	1041932	8.583	1111180	8.595	94	50 - 200	-0.0120	+/-0.50	
Phenanthrene-d10	1775269	10.357	1923005	10.364	92	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	1683352	13.741	1738806	13.763	97	50 - 200	-0.0220	+/-0.50	
Perylene-d12	1644269	16.001	1691980	16.02	97	50 - 200	-0.0190	+/-0.50	
Calibration Check (2E14201-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 05/18/12 15:09			
1,4-Dichlorobenzene-d4	529524	5.021	563397	5.024	94	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	1995194	6.462	2185399	6.461	91	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	937682	8.58	1041932	8.583	90	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	1591696	10.355	1775269	10.357	90	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	1516090	13.738	1683352	13.741	90	50 - 200	-0.0030	+/-0.50	
Perylene-d12	1493573	16.002	1644269	16.001	91	50 - 200	0.0010	+/-0.50	
Blank (2E14006-BLK1)			Lab File ID: E14006B1.D			Analyzed: 05/18/12 15:36			
1,4-Dichlorobenzene-d4	454704	5.024	563397	5.024	81	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	1693348	6.467	2185399	6.461	77	50 - 200	0.0060	+/-0.50	
Acenaphthene-d10	819839	8.583	1041932	8.583	79	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	1421900	10.357	1775269	10.357	80	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1375212	13.744	1683352	13.741	82	50 - 200	0.0030	+/-0.50	
Perylene-d12	1307456	16.002	1644269	16.001	80	50 - 200	0.0010	+/-0.50	
LCS (2E14006-BS1)			Lab File ID: E14006L1.D			Analyzed: 05/18/12 16:04			
1,4-Dichlorobenzene-d4	519448	5.025	563397	5.024	92	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	2051541	6.469	2185399	6.461	94	50 - 200	0.0080	+/-0.50	
Acenaphthene-d10	996235	8.581	1041932	8.583	96	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	1670665	10.36	1775269	10.357	94	50 - 200	0.0030	+/-0.50	
Chrysene-d12	1545591	13.745	1683352	13.741	92	50 - 200	0.0040	+/-0.50	
Perylene-d12	1561934	16.007	1644269	16.001	95	50 - 200	0.0060	+/-0.50	
GW0509 (1205080-03)			Lab File ID: 0508003.D			Analyzed: 05/18/12 17:26			
1,4-Dichlorobenzene-d4	534760	5.018	563397	5.024	95	50 - 200	-0.0060	+/-0.50	
Naphthalene-d8	2085400	6.468	2185399	6.461	95	50 - 200	0.0070	+/-0.50	
Acenaphthene-d10	982856	8.575	1041932	8.583	94	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	1718831	10.352	1775269	10.357	97	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	1629165	13.744	1683352	13.741	97	50 - 200	0.0030	+/-0.50	
Perylene-d12	1592137	16.004	1644269	16.001	97	50 - 200	0.0030	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E14201	Instrument:	MS-BNA1
		Calibration:	2121007

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0584 (1205080-09)			Lab File ID: 0508009.D			Analyzed: 05/18/12 17:54			
1,4-Dichlorobenzene-d4	475434	5.016	563397	5.024	84	50 - 200	-0.0080	+/-0.50	
Naphthalene-d8	1828855	6.459	2185399	6.461	84	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	887086	8.575	1041932	8.583	85	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	1482122	10.353	1775269	10.357	83	50 - 200	-0.0040	+/-0.50	
Chrysene-d12	1458257	13.743	1683352	13.741	87	50 - 200	0.0020	+/-0.50	
Perylene-d12	1422035	16.004	1644269	16.001	86	50 - 200	0.0030	+/-0.50	
GW8051-RB (1205080-11)			Lab File ID: 0508011.D			Analyzed: 05/18/12 18:21			
1,4-Dichlorobenzene-d4	476475	5.016	563397	5.024	85	50 - 200	-0.0080	+/-0.50	
Naphthalene-d8	1817917	6.461	2185399	6.461	83	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	877570	8.582	1041932	8.583	84	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10	1518349	10.357	1775269	10.357	86	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1467516	13.739	1683352	13.741	87	50 - 200	-0.0020	+/-0.50	
Perylene-d12	1408365	15.998	1644269	16.001	86	50 - 200	-0.0030	+/-0.50	
GW0513 (1205080-05)			Lab File ID: 0508005D.D			Analyzed: 05/19/12 00:40			
1,4-Dichlorobenzene-d4	524850	5.018	563397	5.024	93	50 - 200	-0.0060	+/-0.50	
Naphthalene-d8	2025622	6.464	2185399	6.461	93	50 - 200	0.0030	+/-0.50	
Acenaphthene-d10	931380	8.578	1041932	8.583	89	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	1586164	10.347	1775269	10.357	89	50 - 200	-0.0100	+/-0.50	
Chrysene-d12	1544823	13.739	1683352	13.741	92	50 - 200	-0.0020	+/-0.50	
Perylene-d12	1479751	15.994	1644269	16.001	90	50 - 200	-0.0070	+/-0.50	
GW0583 (1205080-07)			Lab File ID: 0508007D.D			Analyzed: 05/19/12 01:07			
1,4-Dichlorobenzene-d4	513647	5.017	563397	5.024	91	50 - 200	-0.0070	+/-0.50	
Naphthalene-d8	2000405	6.456	2185399	6.461	92	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	925058	8.573	1041932	8.583	89	50 - 200	-0.0100	+/-0.50	
Phenanthrene-d10	1576581	10.348	1775269	10.357	89	50 - 200	-0.0090	+/-0.50	
Chrysene-d12	1519735	13.739	1683352	13.741	90	50 - 200	-0.0020	+/-0.50	
Perylene-d12	1463552	15.992	1644269	16.001	89	50 - 200	-0.0090	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E14302	Instrument:	MS-BNA1
		Calibration:	2121007

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2E14302-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 05/21/12 07:47			
1,4-Dichlorobenzene-d4	479383	5.014	596380	5.022	80	50 - 200	-0.0080	+/-0.50	
Naphthalene-d8	1829255	6.458	2345527	6.469	78	50 - 200	-0.0110	+/-0.50	
Acenaphthene-d10	887697	8.575	1111180	8.595	80	50 - 200	-0.0200	+/-0.50	
Phenanthrene-d10	1475230	10.352	1923005	10.364	77	50 - 200	-0.0120	+/-0.50	
Chrysene-d12	1431506	13.739	1738806	13.763	82	50 - 200	-0.0240	+/-0.50	
Perylene-d12	1435592	15.991	1691980	16.02	85	50 - 200	-0.0290	+/-0.50	
Calibration Check (2E14302-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 05/21/12 08:14			
1,4-Dichlorobenzene-d4	461344	5.012	479383	5.014	96	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	1756347	6.452	1829255	6.458	96	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	845246	8.577	887697	8.575	95	50 - 200	0.0020	+/-0.50	
Phenanthrene-d10	1446325	10.348	1475230	10.352	98	50 - 200	-0.0040	+/-0.50	
Chrysene-d12	1386467	13.737	1431506	13.739	97	50 - 200	-0.0020	+/-0.50	
Perylene-d12	1338897	15.991	1435592	15.991	93	50 - 200	0.0000	+/-0.50	
GW0508 (1205080-01RE1)			Lab File ID: 0508001.D			Analyzed: 05/21/12 08:41			
1,4-Dichlorobenzene-d4	545722	5.012	479383	5.014	114	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	1676440	6.459	1829255	6.458	92	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	908489	8.586	887697	8.575	102	50 - 200	0.0110	+/-0.50	
Phenanthrene-d10	1736433	10.358	1475230	10.352	118	50 - 200	0.0060	+/-0.50	
Chrysene-d12	1639993	13.74	1431506	13.739	115	50 - 200	0.0010	+/-0.50	
Perylene-d12	1648066	15.993	1435592	15.991	115	50 - 200	0.0020	+/-0.50	
GW0583 (1205080-07RE1)			Lab File ID: 508007D2.D			Analyzed: 05/21/12 09:09			
1,4-Dichlorobenzene-d4	474482	5.01	479383	5.014	99	50 - 200	-0.0040	+/-0.50	
Naphthalene-d8	1849337	6.457	1829255	6.458	101	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	874816	8.579	887697	8.575	99	50 - 200	0.0040	+/-0.50	
Phenanthrene-d10	1542734	10.346	1475230	10.352	105	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	1437358	13.731	1431506	13.739	100	50 - 200	-0.0080	+/-0.50	
Perylene-d12	1402743	15.993	1435592	15.991	98	50 - 200	0.0020	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E15109	Instrument:	MS-BNA1
		Calibration:	2121007

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2E15109-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 05/29/12 11:34			
1,4-Dichlorobenzene-d4	463458	4.994	596380	5.022	78	50 - 200	-0.0280	+/-0.50	
Naphthalene-d8	1855230	6.439	2345527	6.469	79	50 - 200	-0.0300	+/-0.50	
Acenaphthene-d10	876367	8.547	1111180	8.595	79	50 - 200	-0.0480	+/-0.50	
Phenanthrene-d10	1546744	10.321	1923005	10.364	80	50 - 200	-0.0430	+/-0.50	
Chrysene-d12	1486345	13.702	1738806	13.763	85	50 - 200	-0.0610	+/-0.50	
Perylene-d12	1616517	15.958	1691980	16.02	96	50 - 200	-0.0620	+/-0.50	
Calibration Check (2E15109-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 05/29/12 12:02			
1,4-Dichlorobenzene-d4	453340	4.993	463458	4.994	98	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	1761117	6.436	1855230	6.439	95	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	841462	8.552	876367	8.547	96	50 - 200	0.0050	+/-0.50	
Phenanthrene-d10	1443573	10.318	1546744	10.321	93	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	1450805	13.703	1486345	13.702	98	50 - 200	0.0010	+/-0.50	
Perylene-d12	1576657	15.956	1616517	15.958	98	50 - 200	-0.0020	+/-0.50	
GW0508 (1205080-01RE2)			Lab File ID: 0508001.D			Analyzed: 05/29/12 19:23			
1,4-Dichlorobenzene-d4	490015	5.002	463458	4.994	106	50 - 200	0.0080	+/-0.50	
Naphthalene-d8	1567960	6.439	1855230	6.439	85	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	826528	8.557	876367	8.547	94	50 - 200	0.0100	+/-0.50	
Phenanthrene-d10	1543850	10.326	1546744	10.321	100	50 - 200	0.0050	+/-0.50	
Chrysene-d12	1633713	13.703	1486345	13.702	110	50 - 200	0.0010	+/-0.50	
Perylene-d12	1774622	15.959	1616517	15.958	110	50 - 200	0.0010	+/-0.50	

INITIAL CALIBRATION DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121007	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	4/27/12 18:27 4/28/12 1:13

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Acenaphthene	5	1.161968	10	1.151557	20	1.156721	40	1.181851	50	1.198065	60	1.20165
Acenaphthylene	5	1.904777	10	2.021974	20	1.975813	40	2.139691	50	2.012485	60	2.03005
Acetophenone												
Aniline	5	2.094677	10	2.094576	20	2.146946	40	2.222188	50	2.16157	60	2.221941
Anthracene	5	1.068377	10	1.119439	20	1.129703	40	1.154604	50	1.146205	60	1.280512
Atrazine												
Benzaldehyde												
Benzidine												
Benzo(a)anthracene	5	1.080076	10	1.03568	20	1.107259	40	1.163665	50	1.135552	60	1.150323
Benzo(a)pyrene	5	1.010815	10	0.9729895	20	1.023682	40	1.069816	50	1.049883	60	1.072029
Benzo(b)fluoranthene	5	1.077207	10	1.05482	20	1.152432	40	1.105239	50	1.235551	60	1.132566
Benzo(g,h,i)perylene	5	0.9694037	10	0.9306235	20	0.9754772	40	1.035463	50	1.022342	60	1.024955
Benzoic acid	5	~~0.1037087~~	10	0.1148764	20	0.1472478	40	0.1936789	50	0.1994909	60	0.2026924
Benzo(k)fluoranthene	5	1.094603	10	1.178088	20	1.226972	40	1.348457	50	1.214907	60	1.29562
Benzyl alcohol	5	0.9482747	10	0.8989879	20	0.9366554	40	0.9714658	50	0.9551847	60	0.9873282
1,1-Biphenyl												
4-Bromophenyl-phenylether	5	0.2180454	10	0.2127134	20	0.2204897	40	0.2275898	50	0.2307165	60	0.2393716
Butylbenzylphthalate	5	0.608763	10	0.5882832	20	0.6538192	40	0.6772373	50	0.6646925	60	0.6764421
Caprolactam												
Carbazole	5	1.004365	10	1.079322	20	1.108562	40	1.089658	50	1.107693	60	1.174686
4-Chloro-3-methylphenol	5	0.2509159	10	0.253181	20	0.2719407	40	0.2755829	50	0.2779111	60	0.2792447
4-Chloroaniline	5	0.4180964	10	0.4173394	20	0.4250312	40	0.4472673	50	0.4350864	60	0.4384521
Bis(2-chloroethoxy)methane	5	0.4038542	10	0.4002993	20	0.4133312	40	0.4232841	50	0.4142648	60	0.4230692
Bis(2-chloroethyl)ether	5	1.405527	10	1.417114	20	1.474901	40	1.474288	50	1.471975	60	1.503152
2,2'-Oxybis-1-chloropropane	5	1.96286	10	1.935141	20	2.130772	40	2.127112	50	2.083334	60	2.142483
2-Chloronaphthalene	5	1.185991	10	1.170466	20	1.20243	40	1.260104	50	1.226346	60	1.228512
2-Chlorophenol	5	1.434835	10	1.364692	20	1.453959	40	1.466251	50	1.449829	60	1.510478
4-Chlorophenyl phenyl ether	5	0.5845121	10	0.6043667	20	0.6343459	40	0.669489	50	0.6245017	60	0.6422736
Chrysene	5	0.9733657	10	1.011716	20	1.03841	40	1.080794	50	1.027483	60	1.063671
Dibenz(a,h)anthracene	5	1.000408	10	0.9688227	20	1.018225	40	1.084473	50	1.069281	60	1.088154
Dibenzofuran	5	1.676309	10	1.686981	20	1.650578	40	1.730242	50	1.720127	60	1.717234

INITIAL CALIBRATION DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121007	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	4/27/12 18:27 4/28/12 1:13

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Di-n-butylphthalate	5	1.364556	10	1.354398	20	1.397021	40	1.470968	50	1.45481	60	1.567999
1,4-Dichlorobenzene	5	1.580384	10	1.499627	20	1.585057	40	1.621617	50	1.572086	60	1.655087
1,3-Dichlorobenzene	5	1.591026	10	1.53498	20	1.540984	40	1.581125	50	1.572042	60	1.621597
1,2-Dichlorobenzene	5	1.510542	10	1.462846	20	1.499633	40	1.519469	50	1.502297	60	1.529213
3,3'-Dichlorobenzidine												
2,6-Dichlorophenol												
2,4-Dichlorophenol	5	0.2557547	10	0.2536411	20	0.2605666	40	0.2730251	50	0.2714499	60	0.2799872
Diethylphthalate	5	1.341014	10	1.330944	20	1.32738	40	1.401411	50	1.387514	60	1.40216
2,4-Dimethylphenol	5	0.3139852	10	0.31846	20	0.3147808	40	0.3468539	50	0.3367469	60	0.3364998
Dimethyl phthalate	5	1.352597	10	1.296051	20	1.292901	40	1.372516	50	1.333485	60	1.326581
4,6-Dinitro-2-methylphenol	5	~~3.830081E-02~~	10	6.071014E-02	20	7.465803E-02	40	0.1083456	50	0.1090569	60	0.1298184
2,4-Dinitrophenol	5	~~6.368314E-02~~	10	0.0622151	20	8.039792E-02	40	0.1059293	50	0.1216251	60	0.1335469
2,4-Dinitrotoluene	5	0.2378706	10	0.3012638	20	0.3547327	40	0.4151537	50	0.4263045	60	0.4207274
2,6-Dinitrotoluene	5	0.2392889	10	0.2761442	20	0.3261465	40	0.3481893	50	0.3388437	60	0.3444069
Di-n-octylphthalate	5	1.426919	10	1.325434	20	1.460165	40	1.522471	50	1.532767	60	1.560356
1,4-Dioxane												
1,2-Diphenylhydrazine	5	0.7747735	10	0.8484203	20	0.8478481	40	0.8399828	50	0.8139992	60	0.8917487
Bis(2-ethylhexyl)phthalate	5	0.8392993	10	0.8056911	20	0.8478024	40	0.9284979	50	0.923968	60	0.9345099
Fluoranthene	5	1.01877	10	1.064579	20	1.081046	40	1.095411	50	1.123357	60	1.225526
Fluorene	5	1.356581	10	1.378304	20	1.373212	40	1.500642	50	1.425924	60	1.479014
2-Fluorobiphenyl	5	1.272639	10	1.217476	20	1.241881	40	1.274994	50	1.269822	60	1.291529
2-Fluorophenol	10	1.273135	20	1.283699	40	1.310558	80	1.365061	100	1.360041	120	1.402106
Hexachlorobenzene	5	0.2685738	10	0.2740981	20	0.2706663	40	0.2870307	50	0.2777394	60	0.2933359
Hexachlorobutadiene	5	0.1539715	10	0.150464	20	0.1556048	40	0.1576886	50	0.1576385	60	0.1598688
Hexachlorocyclopentadiene	5	0.2917045	10	0.3136204	20	0.3071897	40	0.3503157	50	0.35624	60	0.3742259
Hexachloroethane	5	0.6293979	10	0.5970417	20	0.6085271	40	0.6338203	50	0.6140456	60	0.6566513
Indeno(1,2,3-cd)pyrene	5	1.123214	10	1.124318	20	1.158835	40	1.221829	50	1.199639	60	1.225393
Isophorone	5	0.6522636	10	0.6451804	20	0.6583519	40	0.6809717	50	0.6521182	60	0.6637842
1-Methylnaphthalene	5	0.4948104	10	0.4873029	20	0.5019744	40	0.515995	50	0.5077004	60	0.5254016
2-Methylnaphthalene	5	0.5173813	10	0.4969574	20	0.5263976	40	0.5346577	50	0.5111984	60	0.5316771
2-Methylphenol	5	1.279748	10	1.27306	20	1.311908	40	1.341731	50	1.321748	60	1.377561

INITIAL CALIBRATION DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121007	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	4/27/12 18:27 4/28/12 1:13

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
3-Methylphenol	5	1.254381	10	1.292741	20	1.338468	40	1.385894	50	1.372122	60	1.433298
4-Methylphenol	5	1.254381	10	1.292741	20	1.338468	40	1.385894	50	1.372122	60	1.433298
3-Methylphenol/4-Methylphenol	5	1.254381	10	1.292741	20	1.338468	40	1.385894	50	1.372122	60	1.433298
Naphthalene	5	0.9973685	10	0.9932663	20	1.038539	40	1.052592	50	1.032365	60	1.072938
4-Nitroaniline	5	0.2836237	10	0.3376835	20	0.3539387	40	0.3953087	50	0.3873212	60	0.3822713
3-Nitroaniline	5	0.3281862	10	0.3357374	20	0.3744473	40	0.4098824	50	0.4249803	60	0.4113152
2-Nitroaniline	5	0.2662015	10	0.2632273	20	0.278424	40	0.3129025	50	0.3162098	60	0.3251435
Nitrobenzene	5	0.3113957	10	0.3078793	20	0.324247	40	0.3400459	50	0.3296321	60	0.3344832
Nitrobenzene-d5	5	0.2731591	10	0.258044	20	0.2766675	40	0.2935361	50	0.282447	60	0.2939095
4-Nitrophenol	5	0.1555746	10	0.1636942	20	0.1997211	40	0.2153259	50	0.2222478	60	0.2175585
2-Nitrophenol	5	0.1447008	10	0.1527646	20	0.1642655	40	0.18209	50	0.1818521	60	0.1916847
N-Nitrosodimethylamine	5	0.5746752	10	0.6157148	20	0.6183414	40	0.6073978	50	0.5975695	60	0.6273782
N-Nitrosodiphenylamine	5	0.6461984	10	0.6552622	20	0.6777329	40	0.6803208	50	0.6867554	60	0.7159369
N-Nitroso-di-n-propylamine	5	0.8576693	10	0.8801086	20	0.9275215	40	0.9450758	50	0.940773	60	0.9589688
Pentachlorophenol	5	~~0.119421~~	10	0.1359265	20	0.1521267	40	0.1769353	50	0.1775256	60	0.2005545
Phenanthrene	5	1.084579	10	1.11621	20	1.11388	40	1.142429	50	1.092656	60	1.229403
Phenol	5	1.76087	10	1.725025	20	1.88744	40	1.929344	50	1.881225	60	1.942958
Phenol-d6	10	1.682404	20	1.707436	40	1.779276	80	1.87192	100	1.860248	120	1.908218
Pyrene	5	1.217884	10	1.231855	20	1.277639	40	1.330188	50	1.304321	60	1.359186
Pyridine	5	1.483205	10	1.610642	20	1.652019	40	1.619155	50	1.5505	60	1.587851
Terphenyl-d14	5	0.7097761	10	0.6977154	20	0.7413135	40	0.7750112	50	0.7497802	60	0.7542182
1,2,4,5-Tetrachlorobenzene												
2,3,4,6-Tetrachlorophenol	5	0.2585672	10	0.2882485	20	0.3024092	40	0.3469725	50	0.3523921	60	0.339056
2,4,6-Tribromophenol	10	0.130379	20	0.1379283	40	0.1531041	80	0.1603463	100	0.1582507	120	0.1695823
1,2,4-Trichlorobenzene	5	0.2914184	10	0.2950457	20	0.322782	40	0.3151453	50	0.3091896	60	0.3171318
2,4,6-Trichlorophenol	5	0.3536717	10	0.3775592	20	0.3749088	40	0.3911854	50	0.4071929	60	0.3986486
2,4,5-Trichlorophenol	5	0.3593361	10	0.3735986	20	0.3798405	40	0.4114226	50	0.416676	60	0.4086956

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121007	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	4/27/12 18:27 4/28/12 1:13

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Acenaphthene	80	1.230609	100	1.240039								
Acenaphthylene	80	2.077199	100	2.075886								
Acetophenone					5	1.623866	10	1.586929	20	1.652412	40	1.693326
Aniline	80	2.142439	100	2.092817								
Anthracene	80	1.237959	100	1.205183								
Atrazine					5	0.1559039	10	0.1753069	20	0.184148	40	0.1908914
Benzaldehyde					5	1.202333	10	1.147468	20	1.18616	40	1.111811
Benzidine					5	0.574859	10	0.6327611	20	0.6987611	40	0.7226365
Benzo(a)anthracene	80	1.141827	100	1.136699								
Benzo(a)pyrene	80	1.047169	100	1.075648								
Benzo(b)fluoranthene	80	1.140184	100	1.12306								
Benzo(g,h,i)perylene	80	1.009559	100	1.022248								
Benzoic acid	80	0.2228023	100	0.2356122								
Benzo(k)fluoranthene	80	1.239425	100	1.227666								
Benzyl alcohol	80	0.9646761	100	0.9817096								
1,1-Biphenyl					5	1.412373	10	1.419922	20	1.493173	40	1.549489
4-Bromophenyl-phenylether	80	0.2454232	100	0.2329818								
Butylbenzylphthalate	80	0.6729163	100	0.6910243								
Caprolactam					5	0.0832012	10	8.319794E-02	20	9.352835E-02	40	0.1001537
Carbazole	80	1.193345	100	1.118606								
4-Chloro-3-methylphenol	80	0.2779237	100	0.2846458								
4-Chloroaniline	80	0.4366614	100	0.4372452								
Bis(2-chloroethoxy)methane	80	0.4208617	100	0.4211067								
Bis(2-chloroethyl)ether	80	1.456098	100	1.469373								
2,2'-Oxybis-1-chloropropane	80	2.1302	100	2.152363								
2-Chloronaphthalene	80	1.241694	100	1.233761								
2-Chlorophenol	80	1.452813	100	1.49076								
4-Chlorophenyl phenyl ether	80	0.6346272	100	0.6314523								
Chrysene	80	1.050371	100	1.029725								
Dibenz(a,h)anthracene	80	1.064213	100	1.076704								
Dibenzofuran	80	1.810505	100	1.794061								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121007	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	4/27/12 18:27 4/28/12 1:13

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Di-n-butylphthalate	80	1.616891	100	1.382475								
1,4-Dichlorobenzene	80	1.585824	100	1.627584								
1,3-Dichlorobenzene	80	1.612754	100	1.62946								
1,2-Dichlorobenzene	80	1.501473	100	1.532291								
3,3'-Dichlorobenzidine					5	0.3685403	10	0.3888846	20	0.4085134	40	0.4460126
2,6-Dichlorophenol					5	0.2208761	10	0.2329345	20	0.2429871	40	0.2614339
2,4-Dichlorophenol	80	0.2812247	100	0.2848209								
Diethylphthalate	80	1.473397	100	1.447479								
2,4-Dimethylphenol	80	0.3363599	100	0.3432755								
Dimethyl phthalate	80	1.374157	100	1.387301								
4,6-Dinitro-2-methylphenol	80	0.13643	100	0.1407258								
2,4-Dinitrophenol	80	0.1580685	100	0.1744041								
2,4-Dinitrotoluene	80	0.4463764	100	0.4723159								
2,6-Dinitrotoluene	80	0.3571414	100	0.3629939								
Di-n-octylphthalate	80	1.584751	100	1.627761								
1,4-Dioxane					5	0.5996203	10	0.6461232	20	0.6161189	40	0.6482877
1,2-Diphenylhydrazine	80	0.8571127	100	0.8337686								
Bis(2-ethylhexyl)phthalate	80	0.9307869	100	0.9063226								
Fluoranthene	80	1.213546	100	1.113814								
Fluorene	80	1.460679	100	1.481668								
2-Fluorobiphenyl	80	1.315879	100	1.33231								
2-Fluorophenol	160	1.354273	200	1.412455								
Hexachlorobenzene	80	0.2848165	100	0.2716463								
Hexachlorobutadiene	80	0.1567604	100	0.1631961								
Hexachlorocyclopentadiene	80	0.3862975	100	0.3537393								
Hexachloroethane	80	0.6408248	100	0.6521842								
Indeno(1,2,3-cd)pyrene	80	1.197154	100	1.210112								
Isophorone	80	0.6622899	100	0.6705676								
1-Methylnaphthalene	80	0.5228655	100	0.5189085								
2-Methylnaphthalene	80	0.5288301	100	0.5511595								
2-Methylphenol	80	1.358679	100	1.352419								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_053	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2121007		Instrument:	MS-BNA1	
Matrix:	Water		Calibration Dates:	4/27/12 18:27	4/28/12 1:13

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
3-Methylphenol	80	1.380139	100	1.411678								
4-Methylphenol	80	1.380139	100	1.411678								
3-Methylphenol/4-Methylphenol	80	1.380139	100	1.411678								
Naphthalene	80	~~1.057764~~	100	~~1.032615~~								
4-Nitroaniline	80	0.3906273	100	0.4037952								
3-Nitroaniline	80	0.4344135	100	0.4318199								
2-Nitroaniline	80	0.3304263	100	0.3235494								
Nitrobenzene	80	0.3267173	100	0.3335563								
Nitrobenzene-d5	80	0.2886464	100	0.2979063								
4-Nitrophenol	80	0.2264359	100	0.2304444								
2-Nitrophenol	80	0.1893816	100	0.1990328								
N-Nitrosodimethylamine	80	0.6008002	100	0.5999289								
N-Nitrosodiphenylamine	80	0.755926	100	0.6976598								
N-Nitroso-di-n-propylamine	80	0.93923	100	0.967288								
Pentachlorophenol	80	0.1928405	100	0.1884045								
Phenanthrene	80	1.235559	100	1.155804								
Phenol	80	1.878776	100	2.02591								
Phenol-d6	160	1.867823	200	1.903971								
Pyrene	80	1.305259	100	1.286325								
Pyridine	80	1.57686	100	1.611854								
Terphenyl-d14	80	0.7487272	100	0.7284106								
1,2,4,5-Tetrachlorobenzene					5	0.262221	10	0.2603606	20	0.2775061	40	0.2793494
2,3,4,6-Tetrachlorophenol	80	0.3555243	100	0.3686575								
2,4,6-Tribromophenol	160	0.1684826	200	0.1614411								
1,2,4-Trichlorobenzene	80	0.3138321	100	0.3169212								
2,4,6-Trichlorophenol	80	0.4252847	100	0.4283547								
2,4,5-Trichlorophenol	80	0.4434029	100	0.4381242								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121007	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	4/27/12 18:27 4/28/12 1:13

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Acenaphthene												
Acenaphthylene												
Acetophenone	50	1.725106	60	1.726936	80	1.726324	100	1.758024				
Aniline												
Anthracene												
Atrazine	50	0.1975889	60	0.1951995	80	0.2023761	100	0.2069335				
Benzaldehyde	50	1.096628	60	1.056631	80	1.02174	100	0.95103				
Benzidine	50	0.7570663	60	0.7353975	80	0.7650554	100	0.7455493				
Benzo(a)anthracene												
Benzo(a)pyrene												
Benzo(b)fluoranthene												
Benzo(g,h,i)perylene												
Benzoic acid												
Benzo(k)fluoranthene												
Benzyl alcohol												
1,1-Biphenyl	50	1.517844	60	1.539983	80	1.607053	100	1.599259				
4-Bromophenyl-phenylether												
Butylbenzylphthalate												
Caprolactam	50	0.1010837	60	0.1072334	80	0.1068057	100	0.1058673				
Carbazole												
4-Chloro-3-methylphenol												
4-Chloroaniline												
Bis(2-chloroethoxy)methane												
Bis(2-chloroethyl)ether												
2,2'-Oxybis-1-chloropropane												
2-Chloronaphthalene												
2-Chlorophenol												
4-Chlorophenyl phenyl ether												
Chrysene												
Dibenz(a,h)anthracene												
Dibenzofuran												

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121007	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	4/27/12 18:27 4/28/12 1:13

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Di-n-butylphthalate												
1,4-Dichlorobenzene												
1,3-Dichlorobenzene												
1,2-Dichlorobenzene												
3,3'-Dichlorobenzidine	50	0.4664608	60	0.4567379	80	0.4707479	100	0.4630452				
2,6-Dichlorophenol	50	0.2565818	60	0.2724041	80	0.2645774	100	0.2682274				
2,4-Dichlorophenol												
Diethylphthalate												
2,4-Dimethylphenol												
Dimethyl phthalate												
4,6-Dinitro-2-methylphenol												
2,4-Dinitrophenol												
2,4-Dinitrotoluene												
2,6-Dinitrotoluene												
Di-n-octylphthalate												
1,4-Dioxane	50	0.6248279	60	0.6246871	80	0.6222392	100	0.6243288				
1,2-Diphenylhydrazine												
Bis(2-ethylhexyl)phthalate												
Fluoranthene												
Fluorene												
2-Fluorobiphenyl												
2-Fluorophenol												
Hexachlorobenzene												
Hexachlorobutadiene												
Hexachlorocyclopentadiene												
Hexachloroethane												
Indeno(1,2,3-cd)pyrene												
Isophorone												
1-Methylnaphthalene												
2-Methylnaphthalene												
2-Methylphenol												

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2121007	Instrument:	MS-BNA1	
Matrix:	Water	Calibration Dates:	4/27/12 18:27	4/28/12 1:13

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
3-Methylphenol												
4-Methylphenol												
3-Methylphenol/4-Methylphenol												
Naphthalene												
4-Nitroaniline												
3-Nitroaniline												
2-Nitroaniline												
Nitrobenzene												
Nitrobenzene-d5												
4-Nitrophenol												
2-Nitrophenol												
N-Nitrosodimethylamine												
N-Nitrosodiphenylamine												
N-Nitroso-di-n-propylamine												
Pentachlorophenol												
Phenanthrene												
Phenol												
Phenol-d6												
Pyrene												
Pyridine												
Terphenyl-d14												
1,2,4,5-Tetrachlorobenzene	50	0.2746832	60	0.2863037	80	0.280573	100	0.285427				
2,3,4,6-Tetrachlorophenol												
2,4,6-Tribromophenol												
1,2,4-Trichlorobenzene												
2,4,6-Trichlorophenol												
2,4,5-Trichlorophenol												

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_053	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2121007		Instrument:	MS-BNA1	
Matrix:	Water		Calibration Dates:	4/27/12 18:27	4/28/12 1:13

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acenaphthene	1.190308	2.802733	8.62725	5.200993E-02			CCC (30)	
Acenaphthylene	2.029734	3.501278	8.40275	3.270555E-02			15	
Acetophenone	1.686615	3.534276	5.49075	8.375776E-02			15	
Aniline	2.147144	2.484715	4.71875	1.252149E-02			15	
Anthracene	1.167748	5.909907	10.44275	4.495866E-02			15	
Atrazine	0.1885435	8.786326	10.07137	5.969203E-02			15	
Benzaldehyde	1.096725	7.737807	4.5795	1.734072E-03			15	
Benzidine	0.7040108	9.510855	12.01087	3.010413E-02			15	
Benzo(a)anthracene	1.118885	3.803765	13.72675	4.125532E-02			15	
Benzo(a)pyrene	1.040254	3.435929	15.92212	5.441474E-02			CCC (30)	
Benzo(b)fluoranthene	1.127632	4.835276	15.40812	3.644915E-02			15	
Benzo(g,h,i)perylene	0.9987589	3.650307	18.13725	7.132317E-02			15	
Benzoic acid	0.1880573	22.62925	6.219143	0.5037606	0.9953867		0.995	
Benzo(k)fluoranthene	1.228217	6.129328	15.44637	0.0526407			15	
Benzyl alcohol	0.9555353	2.970633	5.19225	9.964504E-02			15	
1,1-Biphenyl	1.517387	4.817011	7.880625	6.054111E-02			15	
4-Bromophenyl-phenylether	0.2284164	4.832906	9.82075	3.396321E-02			15	
Butylbenzylphthalate	0.6541472	5.557539	12.99688	2.695455E-02			15	
Caprolactam	9.763391E-02	10.21206	6.929	0.1186519			15	
Carbazole	1.10953	5.246945	10.64888	4.295302E-02			15	
4-Chloro-3-methylphenol	0.2714182	4.60022	7.156375	6.849662E-02			CCC (30)	
4-Chloroaniline	0.4318974	2.460069	6.585	2.259744E-02			15	
Bis(2-chloroethoxy)methane	0.4150089	2.134025	6.2085	9.025068E-02			15	
Bis(2-chloroethyl)ether	1.459053	2.218473	4.77725	1.438265E-02			15	
2,2'-Oxybis-1-chloropropane	2.083033	4.101771	5.3635	2.074088E-02			15	
2-Chloronaphthalene	1.218663	2.458937	7.89175	3.908554E-02			15	
2-Chlorophenol	1.452952	2.971075	4.835875	1.683628E-02			15	
4-Chlorophenyl phenyl ether	0.6281961	4.028395	9.23275	1.848591E-02			15	
Chrysene	1.034442	3.183143	13.79163	3.803345E-02			15	
Dibenz(a,h)anthracene	1.046285	4.255835	17.72362	0.0511616			15	
Dibenzofuran	1.723255	3.217736	8.814	3.023361E-02			15	
Di-n-butylphthalate	1.45114	6.693139	11.13137	2.195434E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121007	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	4/27/12 18:27 4/28/12 1:13

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.590908	2.935272	5.040875	2.028116E-02			CCC (30)	
1,3-Dichlorobenzene	1.585496	2.229056	4.992375	1.341201E-02			15	
1,2-Dichlorobenzene	1.507221	1.453016	5.248375	7.261098E-02			15	
3,3'-Dichlorobenzidine	0.4336178	9.091065	13.72325	2.994341E-02			15	
2,6-Dichlorophenol	0.2525028	7.270602	6.59125	0.0693189			15	
2,4-Dichlorophenol	0.2700588	4.461403	6.319875	5.452827E-02			CCC (30)	
Diethylphthalate	1.388912	3.881271	9.1705	4.977807E-02			15	
2,4-Dimethylphenol	0.3308702	3.963317	6.096	4.544506E-03			15	
Dimethyl phthalate	1.341949	2.666352	8.316	3.866149E-02			15	
4,6-Dinitro-2-methylphenol	0.108535	28.40459	9.357143	6.719416E-02		0.9960523	0.99	
2,4-Dinitrophenol	0.1194553	33.65668	8.680429	6.867936E-02		0.9969981	SPCC (0.05)	
2,4-Dinitrotoluene	0.3843431	20.82736	8.868	7.503113E-02	0.9968686		0.995	
2,6-Dinitrotoluene	0.3241444	13.45314	8.399125	7.037597E-02			15	
Di-n-octylphthalate	1.505078	6.447733	14.80562	3.530081E-02			CCC (30)	
1,4-Dioxane	0.6257791	2.501185	2.369	0.1375627			15	
1,2-Diphenylhydrazine	0.8384567	4.045453	9.422125	4.272995E-02			15	
Bis(2-ethylhexyl)phthalate	0.8896098	5.700965	13.855	0.0133929			15	
Fluoranthene	1.117006	6.357939	11.83962	2.848839E-02			CCC (30)	
Fluorene	1.432003	3.939352	9.23275	1.848591E-02			15	
2-Fluorobiphenyl	1.277066	2.904756	7.77625	1.659451E-02			15	
2-Fluorophenol	1.345166	3.835588	3.762875	1.640586E-02			15	
Hexachlorobenzene	0.2784884	3.210559	10.00313	4.272489E-02			15	
Hexachlorobutadiene	0.1568991	2.424806	6.7115	1.222374E-02			CCC (30)	
Hexachlorocyclopentadiene	0.3416666	9.867508	7.5885	5.552036E-02			SPCC (0.05)	
Hexachloroethane	0.6290616	3.361161	5.58825	2.242227E-02			15	
Indeno(1,2,3-cd)pyrene	1.182562	3.518308	17.69563	4.887154E-02			15	
Isophorone	0.6606909	1.727198	5.943375	9.061499E-02			15	
1-Methylnaphthalene	0.5093698	2.706573	7.43775	0.0537879			15	
2-Methylnaphthalene	0.5247824	3.117321	7.308	1.301214E-02			15	
2-Methylphenol	1.327107	2.822361	5.334	0.015719			15	
3-Methylphenol	1.35859	4.433246	5.495375	0.0971158			15	
4-Methylphenol	1.35859	4.433246	5.495375	0.0971158			15	

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121007	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	4/27/12 18:27 4/28/12 1:13

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
3-Methylphenol/4-Methylphenol	1.35859	4.433246	5.495375	0.0971158			15	
Naphthalene	1.031178	3.016696	6.493333	6.376222E-02	0.9992087		0.995	
4-Nitroaniline	0.3668212	10.97296	9.31025	8.809643E-02			15	
3-Nitroaniline	0.3938478	10.80794	8.564875	8.654626E-02			15	
2-Nitroaniline	0.3020105	9.255583	8.061625	4.272494E-02			15	
Nitrobenzene	0.3259946	3.448714	5.685625	1.531882E-02			15	
Nitrobenzene-d5	0.2830395	4.710226	5.6665	0.0154909			15	
4-Nitrophenol	0.2038753	14.16205	8.765625	0.031511			SPCC (0.05)	
2-Nitrophenol	0.1757215	11.1424	6.0555	5.614731E-02			CCC (30)	
N-Nitrosodimethylamine	0.6052258	2.662057	2.6325	0.1313057			15	
N-Nitrosodiphenylamine	0.689474	5.040815	9.39175	5.074671E-02			CCC (30)	
N-Nitroso-di-n-propylamine	0.9270794	4.141029	5.518375	6.368412E-02			SPCC (0.05)	
Pentachlorophenol	0.1749019	13.22662	10.21814	2.991729E-02			CCC (30)	
Phenanthrene	1.146315	5.067651	10.3905	3.001677E-02			15	
Phenol	1.878943	5.165757	4.691625	9.934238E-02			CCC (30)	
Phenol-d6	1.822662	4.847363	4.677375	0.1553715			15	
Pyrene	1.289082	3.659878	12.11263	2.505709E-02			15	
Pyridine	1.586511	3.253083	2.646	0.2856649			15	
Terphenyl-d14	0.7381191	3.400099	12.31763	0.0264079			15	
1,2,4,5-Tetrachlorobenzene	0.275803	3.534787	7.563	9.094939E-03			15	
2,3,4,6-Tetrachlorophenol	0.3264784	11.87717	9.02125	3.966309E-02			15	
2,4,6-Tribromophenol	0.1549393	9.049827	9.55475	5.346473E-02			15	
1,2,4-Trichlorobenzene	0.3101833	3.599461	6.423625	8.677518E-02			15	
2,4,6-Trichlorophenol	0.3946008	6.511076	7.682375	5.548124E-02			CCC (30)	
2,4,5-Trichlorophenol	0.4038871	7.520122	7.725125	4.486581E-02			15	

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-ICV1.D	Calibration Date:	04/27/12 00:00
Sequence:	2D12112	Injection Date:	04/28/12
Lab Sample ID:	2D12112-ICV1	Injection Time:	01:40

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acenaphthene	A	50.00	53.37	1.190308	1.270645		6.7	20
Acenaphthylene	A	50.00	51.60	2.029734	2.094738		3.2	20
Anthracene	A	50.00	52.45	1.167748	1.224973		4.9	20
Benzo(a)anthracene	A	50.00	52.37	1.118885	1.171954		4.7	20
Benzo(a)pyrene	A	50.00	53.27	1.040254	1.1082		6.5	20
Benzo(b)fluoranthene	A	50.00	55.07	1.127632	1.241907		10.1	20
Benzo(g,h,i)perylene	A	50.00	52.99	0.9987589	1.058391		6.0	20
Benzoic acid	L	50.00	49.27	0.1880573	0.204541		-1.5	20
Benzo(k)fluoranthene	A	50.00	51.68	1.228217	1.26948		3.4	20
4-Bromophenyl-phenylether	A	50.00	51.73	0.2284164	0.236299		3.5	20
Butylbenzylphthalate	A	50.00	50.58	0.6541472	0.6616698		1.1	20
Carbazole	A	50.00	52.09	1.10953	1.155978		4.2	20
4-Chloro-3-methylphenol	A	50.00	53.74	0.2714182	0.2916976		7.5	20
4-Chloroaniline	A	50.00	52.00	0.4318974	0.4491373		4.0	20
Bis(2-chloroethoxy)methane	A	50.00	54.79	0.4150089	0.4547406		9.6	20
Bis(2-chloroethyl)ether	A	50.00	52.01	1.459053	1.517665		4.0	20
2,2'-Oxybis-1-chloropropane	A	50.00	52.99	2.083033	2.207703		6.0	20
2-Chloronaphthalene	A	50.00	53.09	1.218663	1.293914		6.2	20
2-Chlorophenol	A	50.00	51.11	1.452952	1.485181		2.2	20
4-Chlorophenyl phenyl ether	A	50.00	56.17	0.6281961	0.7057315		12.3	20
Chrysene	A	50.00	53.78	1.034442	1.112657		7.6	20
Dibenz(a,h)anthracene	A	50.00	53.15	1.046285	1.112098		6.3	20
Dibenzofuran	A	50.00	54.72	1.723255	1.886063		9.4	20
Di-n-butylphthalate	A	50.00	50.08	1.45114	1.453599		0.2	20
2,4-Dichlorophenol	A	50.00	53.04	0.2700588	0.286501		6.1	20
Diethylphthalate	A	50.00	53.11	1.388912	1.475274		6.2	20
2,4-Dimethylphenol	A	50.00	54.03	0.3308702	0.3575516		8.1	20
Dimethyl phthalate	A	50.00	50.98	1.341949	1.368145		2.0	20
4,6-Dinitro-2-methylphenol	Q	50.00	52.60	0.108535	0.1254606		5.2	20

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-ICV1.D	Calibration Date:	04/27/12 00:00
Sequence:	2D12112	Injection Date:	04/28/12
Lab Sample ID:	2D12112-ICV1	Injection Time:	01:40

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
2,4-Dinitrophenol	Q	50.00	53.38	0.1194553	0.1355659	0.05	6.8	20
2,4-Dinitrotoluene	L	50.00	52.33	0.3843431	0.4580241		4.7	20
2,6-Dinitrotoluene	A	50.00	55.80	0.3241444	0.3617265		11.6	20
Di-n-octylphthalate	A	50.00	51.13	1.505078	1.539164		2.3	20
1,2-Diphenylhydrazine	A	50.00	51.91	0.8384567	0.8704767		3.8	20
Bis(2-ethylhexyl)phthalate	A	50.00	51.17	0.8896098	0.910384		2.3	20
Fluoranthene	A	50.00	53.82	1.117006	1.202255		7.6	20
Fluorene	A	50.00	54.69	1.432003	1.566275		9.4	20
Hexachlorobenzene	A	50.00	52.25	0.2784884	0.2910473		4.5	20
Hexachlorobutadiene	A	50.00	59.79	0.1568991	0.1876144		19.6	20
Hexachlorocyclopentadiene	A	50.00	48.07	0.3416666	0.3284781	0.05	-3.9	20
Hexachloroethane	A	50.00	49.92	0.6290616	0.6279954		-0.2	20
Indeno(1,2,3-cd)pyrene	A	50.00	53.28	1.182562	1.260188		6.6	20
Isophorone	A	50.00	52.32	0.6606909	0.6914106		4.6	20
1-Methylnaphthalene	A	50.00	52.52	0.5093698	0.5350688		5.0	20
2-Methylnaphthalene	A	50.00	52.19	0.5247824	0.5477694		4.4	20
2-Methylphenol	A	50.00	50.58	1.327107	1.342493		1.2	20
3-Methylphenol/4-Methylphenol	A	50.00	51.68	1.35859	1.404137		3.4	20
Naphthalene	L	50.00	59.97	1.031178	1.26872		19.9	20
4-Nitroaniline	A	50.00	55.84	0.3668212	0.409631		11.7	20
3-Nitroaniline	A	50.00	53.33	0.3938478	0.4200828		6.7	20
2-Nitroaniline	A	50.00	56.06	0.3020105	0.338641		12.1	20
Nitrobenzene	A	50.00	52.30	0.3259946	0.3409816		4.6	20
4-Nitrophenol	A	50.00	56.55	0.2038753	0.2305865	0.05	13.1	20
2-Nitrophenol	A	50.00	54.04	0.1757215	0.1899366		8.1	20
N-Nitrosodiphenylamine	A	50.00	50.77	0.689474	0.7000457		1.5	20
N-Nitroso-di-n-propylamine	A	50.00	50.08	0.9270794	0.9285794	0.05	0.2	20
Pentachlorophenol	A	50.00	59.71	0.1749019	0.2088681		19.4	20
Phenanthrene	A	50.00	52.62	1.146315	1.206358		5.2	20

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-ICV1.D	Calibration Date:	04/27/12 00:00
Sequence:	2D12112	Injection Date:	04/28/12
Lab Sample ID:	2D12112-ICV1	Injection Time:	01:40

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Phenol	A	50.00	49.98	1.878943	1.878184		-0.04	20
Pyrene	A	50.00	50.09	1.289082	1.291498		0.2	20
2,4,6-Trichlorophenol	A	50.00	54.76	0.3946008	0.4321696		9.5	20
2,4,5-Trichlorophenol	A	50.00	57.29	0.4038871	0.4627768		14.6	20
2-Fluorobiphenyl	A	50.00	57.47	1.277066	1.467953		14.9	20
2-Fluorophenol	A	100.0	108.3	1.345166	1.456681		8.3	20
Nitrobenzene-d5	A	50.00	53.93	0.2830395	0.3053044		7.9	20
Phenol-d6	A	100.0	96.53	1.822662	1.759373		-3.5	20
Terphenyl-d14	A	50.00	59.12	0.7381191	0.8728151		18.2	20
2,4,6-Tribromophenol	A	100.0	105.7	0.1549393	0.1636947		5.7	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-ICV2.D	Calibration Date:	04/27/12 00:00
Sequence:	2D12112	Injection Date:	04/28/12
Lab Sample ID:	2D12112-ICV2	Injection Time:	02:07

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetophenone	A	50.00	48.99	1.686615	1.652588		-2.0	20
Atrazine	A	50.00	49.75	0.1885435	0.1876111		-0.5	20
Benzaldehyde	A	50.00	43.35	1.096725	0.9508318		-13.3	20
Benzidine	A	50.00	41.57	0.7040108	0.5853802		-16.9	20
1,1-Biphenyl	A	50.00	50.30	1.517387	1.52655		0.6	20
Caprolactam	A	50.00	53.49	9.763391E-02	0.1044466		7.0	20
3,3'-Dichlorobenzidine	A	50.00	50.91	0.4336178	0.4415401		1.8	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/27/12 00:00
Sequence:	2E13601	Injection Date:	05/14/12
Lab Sample ID:	2E13601-CCV1	Injection Time:	13:27

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	50.89	1.190308	1.211484		1.8	20
Acenaphthylene	A	50.00	50.21	2.029734	2.038111		0.4	20
Anthracene	A	50.00	51.36	1.167748	1.199601		2.7	20
Benzo(a)anthracene	A	50.00	50.00	1.118885	1.118928		0.004	20
Benzo(a)pyrene	A	50.00	50.59	1.040254	1.052485		1.2	20
Benzo(b)fluoranthene	A	50.00	49.70	1.127632	1.120794		-0.6	20
Benzo(g,h,i)perylene	A	50.00	52.75	0.9987589	1.053648		5.5	20
Benzoic acid	L	50.00	46.48	0.1880573	0.1905848		-7.0	20
Benzo(k)fluoranthene	A	50.00	53.51	1.228217	1.314403		7.0	20
4-Bromophenyl-phenylether	A	50.00	53.71	0.2284164	0.2453561		7.4	20
Butylbenzylphthalate	A	50.00	45.93	0.6541472	0.6008706		-8.1	20
Carbazole	A	50.00	50.56	1.10953	1.122085		1.1	20
4-Chloro-3-methylphenol	A	50.00	50.90	0.2714182	0.2762927		1.8	20
4-Chloroaniline	A	50.00	51.16	0.4318974	0.4418789		2.3	20
Bis(2-chloroethoxy)methane	A	50.00	50.29	0.4150089	0.4174539		0.6	20
Bis(2-chloroethyl)ether	A	50.00	49.20	1.459053	1.435591		-1.6	20
2,2'-Oxybis-1-chloropropane	A	50.00	51.54	2.083033	2.147199		3.1	20
2-Chloronaphthalene	A	50.00	52.00	1.218663	1.267315		4.0	20
2-Chlorophenol	A	50.00	48.20	1.452952	1.400643		-3.6	20
4-Chlorophenyl phenyl ether	A	50.00	53.54	0.6281961	0.6726363		7.1	20
Chrysene	A	50.00	51.14	1.034442	1.058026		2.3	20
Dibenz(a,h)anthracene	A	50.00	52.92	1.046285	1.107356		5.8	20
Dibenzofuran	A	50.00	51.35	1.723255	1.769764		2.7	20
Di-n-butylphthalate	A	50.00	51.52	1.45114	1.49516		3.0	20
2,4-Dichlorophenol	A	50.00	50.79	0.2700588	0.2743203		1.6	20
Diethylphthalate	A	50.00	48.97	1.388912	1.360387		-2.1	20
2,4-Dimethylphenol	A	50.00	52.11	0.3308702	0.344864		4.2	20
Dimethyl phthalate	A	50.00	51.00	1.341949	1.368708		2.0	20
4,6-Dinitro-2-methylphenol	Q	50.00	57.62	0.108535	0.1407393		15.2	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/27/12 00:00
Sequence:	2E13601	Injection Date:	05/14/12
Lab Sample ID:	2E13601-CCV1	Injection Time:	13:27

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrophenol	Q	50.00	63.33	0.1194553	0.1713691	0.05	26.7	20 *
2,4-Dinitrotoluene	L	50.00	50.76	0.3843431	0.4428522		1.5	20
2,6-Dinitrotoluene	A	50.00	55.14	0.3241444	0.3574617		10.3	20
Di-n-octylphthalate	A	50.00	42.90	1.505078	1.291413		-14.2	20
1,2-Diphenylhydrazine	A	50.00	54.93	0.8384567	0.9211841		9.9	20
Bis(2-ethylhexyl)phthalate	A	50.00	45.44	0.8896098	0.8084598		-9.1	20
Fluoranthene	A	50.00	52.35	1.117006	1.169558		4.7	20
Fluorene	A	50.00	50.15	1.432003	1.436201		0.3	20
Hexachlorobenzene	A	50.00	54.90	0.2784884	0.3057623		9.8	20
Hexachlorobutadiene	A	50.00	54.39	0.1568991	0.1706744		8.8	20
Hexachlorocyclopentadiene	A	50.00	61.90	0.3416666	0.4229732	0.05	23.8	20 *
Hexachloroethane	A	50.00	48.46	0.6290616	0.6096619		-3.1	20
Indeno(1,2,3-cd)pyrene	A	50.00	52.36	1.182562	1.238453		4.7	20
Isophorone	A	50.00	50.78	0.6606909	0.6710498		1.6	20
1-Methylnaphthalene	A	50.00	50.24	0.5093698	0.5118155		0.5	20
2-Methylnaphthalene	A	50.00	48.40	0.5247824	0.508048		-3.2	20
2-Methylphenol	A	50.00	47.97	1.327107	1.273158		-4.1	20
3-Methylphenol/4-Methylphenol	A	50.00	48.86	1.35859	1.327619		-2.3	20
Naphthalene	L	50.00	50.38	1.031178	1.063873		0.8	20
4-Nitroaniline	A	50.00	50.35	0.3668212	0.3694077		0.7	20
3-Nitroaniline	A	50.00	51.17	0.3938478	0.4030526		2.3	20
2-Nitroaniline	A	50.00	56.32	0.3020105	0.3402055		12.6	20
Nitrobenzene	A	50.00	53.67	0.3259946	0.3499365		7.3	20
4-Nitrophenol	A	50.00	54.66	0.2038753	0.2228839	0.05	9.3	20
2-Nitrophenol	A	50.00	54.48	0.1757215	0.1914653		9.0	20
N-Nitrosodiphenylamine	A	50.00	50.09	0.689474	0.6906676		0.2	20
N-Nitroso-di-n-propylamine	A	50.00	50.61	0.9270794	0.9384378	0.05	1.2	20
Pentachlorophenol	A	50.00	54.88	0.1749019	0.1919753		9.8	20
Phenanthrene	A	50.00	49.54	1.146315	1.135737		-0.9	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/27/12 00:00
Sequence:	2E13601	Injection Date:	05/14/12
Lab Sample ID:	2E13601-CCV1	Injection Time:	13:27

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	49.23	1.878943	1.849937		-1.5	20
Pyrene	A	50.00	48.94	1.289082	1.261684		-2.1	20
2,4,6-Trichlorophenol	A	50.00	53.29	0.3946008	0.4205679		6.6	20
2,4,5-Trichlorophenol	A	50.00	55.84	0.4038871	0.4510258		11.7	20
2-Fluorobiphenyl	A	50.00	58.91	1.277066	1.504565		17.8	20
2-Fluorophenol	A	100.0	99.01	1.345166	1.33184		-1.0	20
Nitrobenzene-d5	A	50.00	59.60	0.2830395	0.3373798		19.2	20
Phenol-d6	A	100.0	99.97	1.822662	1.822063		-0.03	20
Terphenyl-d14	A	50.00	56.73	0.7381191	0.8374857		13.5	20
2,4,6-Tribromophenol	A	100.0	121.4	0.1549393	0.1880963		21.4	20 *

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-CCV2.D	Calibration Date:	04/27/12 00:00
Sequence:	2E13601	Injection Date:	05/14/12
Lab Sample ID:	2E13601-CCV2	Injection Time:	13:54

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	49.10	1.686615	1.656124		-1.8	20
Atrazine	A	50.00	53.21	0.1885435	0.2006451		6.4	20
Benzaldehyde	A	50.00	52.00	1.096725	1.140681		4.0	20
Benzidine	A	50.00	54.86	0.7040108	0.7723738		9.7	20
1,1-Biphenyl	A	50.00	51.19	1.517387	1.553526		2.4	20
Caprolactam	A	50.00	49.81	9.763391E-02	9.725803E-02		-0.4	20
3,3'-Dichlorobenzidine	A	50.00	54.38	0.4336178	0.4716117		8.8	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/27/12 00:00
Sequence:	2E13901	Injection Date:	05/15/12
Lab Sample ID:	2E13901-CCV1	Injection Time:	12:25

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	51.35	1.190308	1.222421		2.7	20
Acenaphthylene	A	50.00	50.84	2.029734	2.063962		1.7	20
Anthracene	A	50.00	48.09	1.167748	1.123231		-3.8	20
Benzo(a)anthracene	A	50.00	48.29	1.118885	1.080624		-3.4	20
Benzo(a)pyrene	A	50.00	49.34	1.040254	1.026442		-1.3	20
Benzo(b)fluoranthene	A	50.00	47.29	1.127632	1.066596		-5.4	20
Benzo(g,h,i)perylene	A	50.00	50.11	0.9987589	1.001045		0.2	20
Benzoic acid	L	50.00	52.67	0.1880573	0.2215548		5.3	20
Benzo(k)fluoranthene	A	50.00	50.63	1.228217	1.243751		1.3	20
4-Bromophenyl-phenylether	A	50.00	53.70	0.2284164	0.2453012		7.4	20
Butylbenzylphthalate	A	50.00	47.51	0.6541472	0.6215539		-5.0	20
Carbazole	A	50.00	47.36	1.10953	1.051026		-5.3	20
4-Chloro-3-methylphenol	A	50.00	50.62	0.2714182	0.274802		1.2	20
4-Chloroaniline	A	50.00	49.42	0.4318974	0.4268999		-1.2	20
Bis(2-chloroethoxy)methane	A	50.00	50.18	0.4150089	0.4165008		0.4	20
Bis(2-chloroethyl)ether	A	50.00	49.65	1.459053	1.448817		-0.7	20
2,2'-Oxybis-1-chloropropane	A	50.00	55.04	2.083033	2.292993		10.1	20
2-Chloronaphthalene	A	50.00	49.53	1.218663	1.207208		-0.9	20
2-Chlorophenol	A	50.00	48.64	1.452952	1.413317		-2.7	20
4-Chlorophenyl phenyl ether	A	50.00	52.40	0.6281961	0.6583868		4.8	20
Chrysene	A	50.00	49.43	1.034442	1.022662		-1.1	20
Dibenz(a,h)anthracene	A	50.00	50.48	1.046285	1.056322		1.0	20
Dibenzofuran	A	50.00	50.22	1.723255	1.730889		0.4	20
Di-n-butylphthalate	A	50.00	49.70	1.45114	1.442387		-0.6	20
2,4-Dichlorophenol	A	50.00	50.31	0.2700588	0.2717562		0.6	20
Diethylphthalate	A	50.00	50.60	1.388912	1.405529		1.2	20
2,4-Dimethylphenol	A	50.00	52.22	0.3308702	0.3455625		4.4	20
Dimethyl phthalate	A	50.00	50.01	1.341949	1.342135		0.01	20
4,6-Dinitro-2-methylphenol	Q	50.00	56.68	0.108535	0.1378529		13.4	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/27/12 00:00
Sequence:	2E13901	Injection Date:	05/15/12
Lab Sample ID:	2E13901-CCV1	Injection Time:	12:25

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrophenol	Q	50.00	60.94	0.1194553	0.1624461	0.05	21.9	20 *
2,4-Dinitrotoluene	L	50.00	52.33	0.3843431	0.4580295		4.7	20
2,6-Dinitrotoluene	A	50.00	56.73	0.3241444	0.3677517		13.5	20
Di-n-octylphthalate	A	50.00	45.99	1.505078	1.384256		-8.0	20
1,2-Diphenylhydrazine	A	50.00	50.27	0.8384567	0.8429281		0.5	20
Bis(2-ethylhexyl)phthalate	A	50.00	48.07	0.8896098	0.8552289		-3.9	20
Fluoranthene	A	50.00	51.36	1.117006	1.147456		2.7	20
Fluorene	A	50.00	51.03	1.432003	1.461622		2.1	20
Hexachlorobenzene	A	50.00	54.28	0.2784884	0.3023451		8.6	20
Hexachlorobutadiene	A	50.00	54.96	0.1568991	0.1724792		9.9	20
Hexachlorocyclopentadiene	A	50.00	59.15	0.3416666	0.4041836	0.05	18.3	20
Hexachloroethane	A	50.00	51.18	0.6290616	0.6438796		2.4	20
Indeno(1,2,3-cd)pyrene	A	50.00	49.72	1.182562	1.175926		-0.6	20
Isophorone	A	50.00	52.04	0.6606909	0.6876663		4.1	20
1-Methylnaphthalene	A	50.00	49.47	0.5093698	0.5039727		-1.1	20
2-Methylnaphthalene	A	50.00	49.73	0.5247824	0.5219653		-0.5	20
2-Methylphenol	A	50.00	50.34	1.327107	1.336223		0.7	20
3-Methylphenol/4-Methylphenol	A	50.00	49.76	1.35859	1.352128		-0.5	20
Naphthalene	L	50.00	49.60	1.031178	1.047216		-0.8	20
4-Nitroaniline	A	50.00	51.85	0.3668212	0.3803869		3.7	20
3-Nitroaniline	A	50.00	52.44	0.3938478	0.4130356		4.9	20
2-Nitroaniline	A	50.00	59.94	0.3020105	0.3620853		19.9	20
Nitrobenzene	A	50.00	53.05	0.3259946	0.3458827		6.1	20
4-Nitrophenol	A	50.00	60.55	0.2038753	0.2469067	0.05	21.1	20 *
2-Nitrophenol	A	50.00	55.12	0.1757215	0.1936978		10.2	20
N-Nitrosodiphenylamine	A	50.00	47.56	0.689474	0.655829		-4.9	20
N-Nitroso-di-n-propylamine	A	50.00	53.17	0.9270794	0.9859241	0.05	6.3	20
Pentachlorophenol	A	50.00	54.22	0.1749019	0.1896622		8.4	20
Phenanthrene	A	50.00	47.62	1.146315	1.091797		-4.8	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/27/12 00:00
Sequence:	2E13901	Injection Date:	05/15/12
Lab Sample ID:	2E13901-CCV1	Injection Time:	12:25

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	49.39	1.878943	1.856158		-1.2	20
Pyrene	A	50.00	46.96	1.289082	1.210654		-6.1	20
2,4,6-Trichlorophenol	A	50.00	56.54	0.3946008	0.4461949		13.1	20
2,4,5-Trichlorophenol	A	50.00	53.34	0.4038871	0.4308597		6.7	20
2-Fluorobiphenyl	A	50.00	55.82	1.277066	1.425677		11.6	20
2-Fluorophenol	A	100.0	101.7	1.345166	1.367876		1.7	20
Nitrobenzene-d5	A	50.00	58.87	0.2830395	0.3332393		17.7	20
Phenol-d6	A	100.0	101.0	1.822662	1.841507		1.0	20
Terphenyl-d14	A	50.00	55.24	0.7381191	0.8154335		10.5	20
2,4,6-Tribromophenol	A	100.0	119.7	0.1549393	0.1854867		19.7	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-CCV2.D	Calibration Date:	04/27/12 00:00
Sequence:	2E13901	Injection Date:	05/15/12
Lab Sample ID:	2E13901-CCV2	Injection Time:	12:53

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	53.05	1.686615	1.789404		6.1	20
Atrazine	A	50.00	54.93	0.1885435	0.2071326		9.9	20
Benzaldehyde	A	50.00	54.19	1.096725	1.18857		8.4	20
Benzidine	A	50.00	57.34	0.7040108	0.8074171		14.7	20
1,1-Biphenyl	A	50.00	52.62	1.517387	1.596795		5.2	20
Caprolactam	A	50.00	53.76	9.763391E-02	0.104985		7.5	20
3,3'-Dichlorobenzidine	A	50.00	53.07	0.4336178	0.4602578		6.1	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/27/12 00:00
Sequence:	2E13902	Injection Date:	05/16/12
Lab Sample ID:	2E13902-CCV1	Injection Time:	09:12

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	50.50	1.190308	1.202228		1.0	20
Acenaphthylene	A	50.00	50.28	2.029734	2.041009		0.6	20
Anthracene	A	50.00	51.93	1.167748	1.212782		3.9	20
Benzo(a)anthracene	A	50.00	47.16	1.118885	1.055336		-5.7	20
Benzo(a)pyrene	A	50.00	48.18	1.040254	1.002495		-3.6	20
Benzo(b)fluoranthene	A	50.00	48.88	1.127632	1.102269		-2.2	20
Benzo(g,h,i)perylene	A	50.00	49.47	0.9987589	0.9881886		-1.1	20
Benzoic acid	L	50.00	43.44	0.1880573	0.1753852		-13.1	20
Benzo(k)fluoranthene	A	50.00	50.64	1.228217	1.243817		1.3	20
4-Bromophenyl-phenylether	A	50.00	52.83	0.2284164	0.241362		5.7	20
Butylbenzylphthalate	A	50.00	43.71	0.6541472	0.5718654		-12.6	20
Carbazole	A	50.00	49.89	1.10953	1.107088		-0.2	20
4-Chloro-3-methylphenol	A	50.00	52.70	0.2714182	0.2860771		5.4	20
4-Chloroaniline	A	50.00	49.90	0.4318974	0.4310419		-0.2	20
Bis(2-chloroethoxy)methane	A	50.00	49.91	0.4150089	0.4142847		-0.2	20
Bis(2-chloroethyl)ether	A	50.00	48.36	1.459053	1.41135		-3.3	20
2,2'-Oxybis-1-chloropropane	A	50.00	50.10	2.083033	2.087237		0.2	20
2-Chloronaphthalene	A	50.00	50.74	1.218663	1.236665		1.5	20
2-Chlorophenol	A	50.00	47.64	1.452952	1.38441		-4.7	20
4-Chlorophenyl phenyl ether	A	50.00	52.50	0.6281961	0.6595997		5.0	20
Chrysene	A	50.00	47.95	1.034442	0.992113		-4.1	20
Dibenz(a,h)anthracene	A	50.00	49.87	1.046285	1.043533		-0.3	20
Dibenzofuran	A	50.00	53.30	1.723255	1.83689		6.6	20
Di-n-butylphthalate	A	50.00	49.60	1.45114	1.439672		-0.8	20
2,4-Dichlorophenol	A	50.00	51.41	0.2700588	0.277678		2.8	20
Diethylphthalate	A	50.00	49.57	1.388912	1.377098		-0.9	20
2,4-Dimethylphenol	A	50.00	51.75	0.3308702	0.3424396		3.5	20
Dimethyl phthalate	A	50.00	49.74	1.341949	1.33492		-0.5	20
4,6-Dinitro-2-methylphenol	Q	50.00	56.64	0.108535	0.137744		13.3	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/27/12 00:00
Sequence:	2E13902	Injection Date:	05/16/12
Lab Sample ID:	2E13902-CCV1	Injection Time:	09:12

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrophenol	Q	50.00	59.58	0.1194553	0.1574601	0.05	19.2	20
2,4-Dinitrotoluene	L	50.00	52.16	0.3843431	0.4563044		4.3	20
2,6-Dinitrotoluene	A	50.00	55.82	0.3241444	0.3618525		11.6	20
Di-n-octylphthalate	A	50.00	42.45	1.505078	1.277936		-15.1	20
1,2-Diphenylhydrazine	A	50.00	49.88	0.8384567	0.8365102		-0.2	20
Bis(2-ethylhexyl)phthalate	A	50.00	43.89	0.8896098	0.7809169		-12.2	20
Fluoranthene	A	50.00	51.58	1.117006	1.152305		3.2	20
Fluorene	A	50.00	49.91	1.432003	1.429387		-0.2	20
Hexachlorobenzene	A	50.00	54.62	0.2784884	0.3042233		9.2	20
Hexachlorobutadiene	A	50.00	52.33	0.1568991	0.1642231		4.7	20
Hexachlorocyclopentadiene	A	50.00	59.25	0.3416666	0.4049034	0.05	18.5	20
Hexachloroethane	A	50.00	49.10	0.6290616	0.6176977		-1.8	20
Indeno(1,2,3-cd)pyrene	A	50.00	49.84	1.182562	1.178717		-0.3	20
Isophorone	A	50.00	48.96	0.6606909	0.6468952		-2.1	20
1-Methylnaphthalene	A	50.00	51.86	0.5093698	0.5283434		3.7	20
2-Methylnaphthalene	A	50.00	48.69	0.5247824	0.5110315		-2.6	20
2-Methylphenol	A	50.00	48.10	1.327107	1.276728		-3.8	20
3-Methylphenol/4-Methylphenol	A	50.00	48.35	1.35859	1.313735		-3.3	20
Naphthalene	L	50.00	50.22	1.031178	1.060469		0.4	20
4-Nitroaniline	A	50.00	51.06	0.3668212	0.3745693		2.1	20
3-Nitroaniline	A	50.00	52.19	0.3938478	0.4110772		4.4	20
2-Nitroaniline	A	50.00	54.98	0.3020105	0.3320722		10.0	20
Nitrobenzene	A	50.00	52.02	0.3259946	0.3391597		4.0	20
4-Nitrophenol	A	50.00	52.12	0.2038753	0.2125217	0.05	4.2	20
2-Nitrophenol	A	50.00	54.33	0.1757215	0.1909366		8.7	20
N-Nitrosodiphenylamine	A	50.00	49.32	0.689474	0.6801058		-1.4	20
N-Nitroso-di-n-propylamine	A	50.00	48.43	0.9270794	0.8980027	0.05	-3.1	20
Pentachlorophenol	A	50.00	52.70	0.1749019	0.1843397		5.4	20
Phenanthrene	A	50.00	52.29	1.146315	1.198879		4.6	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/27/12 00:00
Sequence:	2E13902	Injection Date:	05/16/12
Lab Sample ID:	2E13902-CCV1	Injection Time:	09:12

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	46.83	1.878943	1.759814		-6.3	20
Pyrene	A	50.00	45.66	1.289082	1.177094		-8.7	20
2,4,6-Trichlorophenol	A	50.00	53.87	0.3946008	0.4251538		7.7	20
2,4,5-Trichlorophenol	A	50.00	52.89	0.4038871	0.427233		5.8	20
2-Fluorobiphenyl	A	50.00	57.71	1.277066	1.474088		15.4	20
2-Fluorophenol	A	100.0	97.51	1.345166	1.311657		-2.5	20
Nitrobenzene-d5	A	50.00	58.61	0.2830395	0.3317725		17.2	20
Phenol-d6	A	100.0	97.62	1.822662	1.779276		-2.4	20
Terphenyl-d14	A	50.00	54.62	0.7381191	0.8063062		9.2	20
2,4,6-Tribromophenol	A	100.0	121.7	0.1549393	0.1886157		21.7	20 *

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-CCV2.D	Calibration Date:	04/27/12 00:00
Sequence:	2E13902	Injection Date:	05/16/12
Lab Sample ID:	2E13902-CCV2	Injection Time:	09:39

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	52.61	1.686615	1.77465		5.2	20
Atrazine	A	50.00	51.24	0.1885435	0.1932374		2.5	20
Benzaldehyde	A	50.00	53.64	1.096725	1.176675		7.3	20
Benzidine	A	50.00	52.70	0.7040108	0.7419837		5.4	20
1,1-Biphenyl	A	50.00	51.69	1.517387	1.568704		3.4	20
Caprolactam	A	50.00	52.47	9.763391E-02	0.1024661		4.9	20
3,3'-Dichlorobenzidine	A	50.00	51.31	0.4336178	0.4449837		2.6	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/27/12 00:00
Sequence:	2E14201	Injection Date:	05/18/12
Lab Sample ID:	2E14201-CCV1	Injection Time:	14:41

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	49.05	1.190308	1.167735		-1.9	20
Acenaphthylene	A	50.00	49.18	2.029734	1.996411		-1.6	20
Anthracene	A	50.00	47.40	1.167748	1.107016		-5.2	20
Benzo(a)anthracene	A	50.00	47.79	1.118885	1.069488		-4.4	20
Benzo(a)pyrene	A	50.00	49.01	1.040254	1.019653		-2.0	20
Benzo(b)fluoranthene	A	50.00	51.74	1.127632	1.166957		3.5	20
Benzo(g,h,i)perylene	A	50.00	50.16	0.9987589	1.002051		0.3	20
Benzoic acid	L	50.00	46.29	0.1880573	0.1896046		-7.4	20
Benzo(k)fluoranthene	A	50.00	48.18	1.228217	1.183559		-3.6	20
4-Bromophenyl-phenylether	A	50.00	49.86	0.2284164	0.2277847		-0.3	20
Butylbenzylphthalate	A	50.00	45.00	0.6541472	0.5886731		-10.0	20
Carbazole	A	50.00	49.72	1.10953	1.103428		-0.5	20
4-Chloro-3-methylphenol	A	50.00	49.91	0.2714182	0.2709349		-0.2	20
4-Chloroaniline	A	50.00	50.45	0.4318974	0.4357787		0.9	20
Bis(2-chloroethoxy)methane	A	50.00	49.09	0.4150089	0.4074346		-1.8	20
Bis(2-chloroethyl)ether	A	50.00	48.52	1.459053	1.415929		-3.0	20
2,2'-Oxybis-1-chloropropane	A	50.00	48.88	2.083033	2.036438		-2.2	20
2-Chloronaphthalene	A	50.00	47.69	1.218663	1.162354		-4.6	20
2-Chlorophenol	A	50.00	47.80	1.452952	1.388916		-4.4	20
4-Chlorophenyl phenyl ether	A	50.00	47.24	0.6281961	0.5935251		-5.5	20
Chrysene	A	50.00	48.27	1.034442	0.9986551		-3.5	20
Dibenz(a,h)anthracene	A	50.00	50.01	1.046285	1.046569		0.03	20
Dibenzofuran	A	50.00	50.13	1.723255	1.72779		0.3	20
Di-n-butylphthalate	A	50.00	50.39	1.45114	1.462469		0.8	20
2,4-Dichlorophenol	A	50.00	49.60	0.2700588	0.2679214		-0.8	20
Diethylphthalate	A	50.00	48.16	1.388912	1.337876		-3.7	20
2,4-Dimethylphenol	A	50.00	49.50	0.3308702	0.3275407		-1.0	20
Dimethyl phthalate	A	50.00	48.84	1.341949	1.310915		-2.3	20
4,6-Dinitro-2-methylphenol	Q	50.00	60.07	0.108535	0.1483128		20.1	20 *

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/27/12 00:00
Sequence:	2E14201	Injection Date:	05/18/12
Lab Sample ID:	2E14201-CCV1	Injection Time:	14:41

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrophenol	Q	50.00	63.88	0.1194553	0.1734455	0.05	27.8	20 *
2,4-Dinitrotoluene	L	50.00	49.44	0.3843431	0.4302116		-1.1	20
2,6-Dinitrotoluene	A	50.00	55.09	0.3241444	0.3571212		10.2	20
Di-n-octylphthalate	A	50.00	46.50	1.505078	1.399849		-7.0	20
1,2-Diphenylhydrazine	A	50.00	49.02	0.8384567	0.8220893		-2.0	20
Bis(2-ethylhexyl)phthalate	A	50.00	47.38	0.8896098	0.8430123		-5.2	20
Fluoranthene	A	50.00	47.75	1.117006	1.066696		-4.5	20
Fluorene	A	50.00	47.04	1.432003	1.34716		-5.9	20
Hexachlorobenzene	A	50.00	51.82	0.2784884	0.2886512		3.6	20
Hexachlorobutadiene	A	50.00	50.72	0.1568991	0.1591731		1.4	20
Hexachlorocyclopentadiene	A	50.00	55.42	0.3416666	0.3786742	0.05	10.8	20
Hexachloroethane	A	50.00	50.24	0.6290616	0.632134		0.5	20
Indeno(1,2,3-cd)pyrene	A	50.00	49.10	1.182562	1.16122		-1.8	20
Isophorone	A	50.00	48.86	0.6606909	0.6456992		-2.3	20
1-Methylnaphthalene	A	50.00	49.08	0.5093698	0.5000024		-1.8	20
2-Methylnaphthalene	A	50.00	50.52	0.5247824	0.5302918		1.0	20
2-Methylphenol	A	50.00	47.79	1.327107	1.268501		-4.4	20
3-Methylphenol/4-Methylphenol	A	50.00	48.33	1.35859	1.313123		-3.3	20
Naphthalene	L	50.00	48.79	1.031178	1.029912		-2.4	20
4-Nitroaniline	A	50.00	50.76	0.3668212	0.3723974		1.5	20
3-Nitroaniline	A	50.00	49.35	0.3938478	0.388724		-1.3	20
2-Nitroaniline	A	50.00	53.13	0.3020105	0.3209407		6.3	20
Nitrobenzene	A	50.00	50.19	0.3259946	0.3272519		0.4	20
4-Nitrophenol	A	50.00	51.48	0.2038753	0.2099054	0.05	3.0	20
2-Nitrophenol	A	50.00	54.13	0.1757215	0.1902532		8.3	20
N-Nitrosodiphenylamine	A	50.00	49.07	0.689474	0.6766452		-1.9	20
N-Nitroso-di-n-propylamine	A	50.00	49.02	0.9270794	0.9089022	0.05	-2.0	20
Pentachlorophenol	A	50.00	53.58	0.1749019	0.1874344		7.2	20
Phenanthrene	A	50.00	48.26	1.146315	1.106322		-3.5	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/27/12 00:00
Sequence:	2E14201	Injection Date:	05/18/12
Lab Sample ID:	2E14201-CCV1	Injection Time:	14:41

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	47.44	1.878943	1.782935		-5.1	20
Pyrene	A	50.00	45.24	1.289082	1.166356		-9.5	20
2,4,6-Trichlorophenol	A	50.00	52.15	0.3946008	0.411557		4.3	20
2,4,5-Trichlorophenol	A	50.00	50.70	0.4038871	0.4095768		1.4	20
2-Fluorobiphenyl	A	50.00	54.81	1.277066	1.399982		9.6	20
2-Fluorophenol	A	100.0	96.90	1.345166	1.303421		-3.1	20
Nitrobenzene-d5	A	50.00	56.96	0.2830395	0.3224564		13.9	20
Phenol-d6	A	100.0	97.66	1.822662	1.780029		-2.3	20
Terphenyl-d14	A	50.00	53.20	0.7381191	0.7853659		6.4	20
2,4,6-Tribromophenol	A	100.0	114.0	0.1549393	0.1767158		14.1	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-CCV2.D	Calibration Date:	04/27/12 00:00
Sequence:	2E14201	Injection Date:	05/18/12
Lab Sample ID:	2E14201-CCV2	Injection Time:	15:09

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	48.88	1.686615	1.648693		-2.2	20
Atrazine	A	50.00	51.03	0.1885435	0.1924192		2.1	20
Benzaldehyde	A	50.00	51.80	1.096725	1.136294		3.6	20
Benzidine	A	50.00	59.34	0.7040108	0.8354586		18.7	20
1,1-Biphenyl	A	50.00	49.55	1.517387	1.503624		-0.9	20
Caprolactam	A	50.00	52.57	9.763391E-02	0.1026471		5.1	20
3,3'-Dichlorobenzidine	A	50.00	55.16	0.4336178	0.4783547		10.3	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/27/12 00:00
Sequence:	2E14302	Injection Date:	05/21/12
Lab Sample ID:	2E14302-CCV1	Injection Time:	07:47

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	47.18	1.190308	1.123083		-5.6	20
Acenaphthylene	A	50.00	48.16	2.029734	1.955218		-3.7	20
Anthracene	A	50.00	49.50	1.167748	1.156107		-1.0	20
Benzo(a)anthracene	A	50.00	46.87	1.118885	1.048888		-6.3	20
Benzo(a)pyrene	A	50.00	47.21	1.040254	0.9822919		-5.6	20
Benzo(b)fluoranthene	A	50.00	46.59	1.127632	1.050778		-6.8	20
Benzo(g,h,i)perylene	A	50.00	47.91	0.9987589	0.9570513		-4.2	20
Benzoic acid	L	50.00	48.72	0.1880573	0.2017757		-2.6	20
Benzo(k)fluoranthene	A	50.00	48.00	1.228217	1.179212		-4.0	20
4-Bromophenyl-phenylether	A	50.00	51.89	0.2284164	0.2370456		3.8	20
Butylbenzylphthalate	A	50.00	43.48	0.6541472	0.568889		-13.0	20
Carbazole	A	50.00	47.58	1.10953	1.055831		-4.8	20
4-Chloro-3-methylphenol	A	50.00	50.54	0.2714182	0.2743425		1.1	20
4-Chloroaniline	A	50.00	48.75	0.4318974	0.421075		-2.5	20
Bis(2-chloroethoxy)methane	A	50.00	48.93	0.4150089	0.4061321		-2.1	20
Bis(2-chloroethyl)ether	A	50.00	47.09	1.459053	1.374185		-5.8	20
2,2'-Oxybis-1-chloropropane	A	50.00	49.34	2.083033	2.055465		-1.3	20
2-Chloronaphthalene	A	50.00	48.79	1.218663	1.189188		-2.4	20
2-Chlorophenol	A	50.00	47.20	1.452952	1.371461		-5.6	20
4-Chlorophenyl phenyl ether	A	50.00	50.89	0.6281961	0.6394128		1.8	20
Chrysene	A	50.00	48.69	1.034442	1.007261		-2.6	20
Dibenz(a,h)anthracene	A	50.00	48.75	1.046285	1.02015		-2.5	20
Dibenzofuran	A	50.00	47.94	1.723255	1.652412		-4.1	20
Di-n-butylphthalate	A	50.00	49.48	1.45114	1.436019		-1.0	20
2,4-Dichlorophenol	A	50.00	47.62	0.2700588	0.2572155		-4.8	20
Diethylphthalate	A	50.00	47.34	1.388912	1.314911		-5.3	20
2,4-Dimethylphenol	A	50.00	50.38	0.3308702	0.3333869		0.8	20
Dimethyl phthalate	A	50.00	47.65	1.341949	1.278844		-4.7	20
4,6-Dinitro-2-methylphenol	Q	50.00	59.11	0.108535	0.1453436		18.2	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/27/12 00:00
Sequence:	2E14302	Injection Date:	05/21/12
Lab Sample ID:	2E14302-CCV1	Injection Time:	07:47

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrophenol	Q	50.00	57.90	0.1194553	0.1514048	0.05	15.8	20
2,4-Dinitrotoluene	L	50.00	48.45	0.3843431	0.4207003		-3.1	20
2,6-Dinitrotoluene	A	50.00	53.59	0.3241444	0.3474095		7.2	20
Di-n-octylphthalate	A	50.00	42.69	1.505078	1.285115		-14.6	20
1,2-Diphenylhydrazine	A	50.00	48.48	0.8384567	0.8130469		-3.0	20
Bis(2-ethylhexyl)phthalate	A	50.00	44.97	0.8896098	0.8001548		-10.1	20
Fluoranthene	A	50.00	49.77	1.117006	1.111962		-0.5	20
Fluorene	A	50.00	48.07	1.432003	1.376846		-3.9	20
Hexachlorobenzene	A	50.00	54.26	0.2784884	0.3022276		8.5	20
Hexachlorobutadiene	A	50.00	53.64	0.1568991	0.1683282		7.3	20
Hexachlorocyclopentadiene	A	50.00	58.80	0.3416666	0.401793	0.05	17.6	20
Hexachloroethane	A	50.00	48.13	0.6290616	0.605485		-3.7	20
Indeno(1,2,3-cd)pyrene	A	50.00	48.29	1.182562	1.142225		-3.4	20
Isophorone	A	50.00	48.58	0.6606909	0.6419335		-2.8	20
1-Methylnaphthalene	A	50.00	48.88	0.5093698	0.4979785		-2.2	20
2-Methylnaphthalene	A	50.00	48.32	0.5247824	0.5071861		-3.4	20
2-Methylphenol	A	50.00	46.04	1.327107	1.222158		-7.9	20
3-Methylphenol/4-Methylphenol	A	50.00	47.10	1.35859	1.279867		-5.8	20
Naphthalene	L	50.00	49.93	1.031178	1.05423		-0.1	20
4-Nitroaniline	A	50.00	48.01	0.3668212	0.3522103		-4.0	20
3-Nitroaniline	A	50.00	47.27	0.3938478	0.3723631		-5.5	20
2-Nitroaniline	A	50.00	51.79	0.3020105	0.3128401		3.6	20
Nitrobenzene	A	50.00	51.06	0.3259946	0.3329102		2.1	20
4-Nitrophenol	A	50.00	50.17	0.2038753	0.2045689	0.05	0.3	20
2-Nitrophenol	A	50.00	53.98	0.1757215	0.189707		8.0	20
N-Nitrosodiphenylamine	A	50.00	46.41	0.689474	0.6399908		-7.2	20
N-Nitroso-di-n-propylamine	A	50.00	48.22	0.9270794	0.8940809	0.05	-3.6	20
Pentachlorophenol	A	50.00	47.41	0.1749019	0.1658589		-5.2	20
Phenanthrene	A	50.00	49.21	1.146315	1.128211		-1.6	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/27/12 00:00
Sequence:	2E14302	Injection Date:	05/21/12
Lab Sample ID:	2E14302-CCV1	Injection Time:	07:47

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	51.30	1.878943	1.9279		2.6	20
Pyrene	A	50.00	45.77	1.289082	1.179927		-8.5	20
2,4,6-Trichlorophenol	A	50.00	51.63	0.3946008	0.4074742		3.3	20
2,4,5-Trichlorophenol	A	50.00	50.94	0.4038871	0.4114449		1.9	20
2-Fluorobiphenyl	A	50.00	54.30	1.277066	1.386947		8.6	20
2-Fluorophenol	A	100.0	98.07	1.345166	1.319249		-1.9	20
Nitrobenzene-d5	A	50.00	58.52	0.2830395	0.3313012		17.1	20
Phenol-d6	A	100.0	96.82	1.822662	1.764749		-3.2	20
Terphenyl-d14	A	50.00	53.15	0.7381191	0.7846461		6.3	20
2,4,6-Tribromophenol	A	100.0	117.0	0.1549393	0.1813179		17.0	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-CCV2.D	Calibration Date:	04/27/12 00:00
Sequence:	2E14302	Injection Date:	05/21/12
Lab Sample ID:	2E14302-CCV2	Injection Time:	08:14

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	50.17	1.686615	1.69224		0.3	20
Atrazine	A	50.00	51.92	0.1885435	0.1958044		3.9	20
Benzaldehyde	A	50.00	50.52	1.096725	1.108261		1.1	20
Benzidine	A	50.00	55.43	0.7040108	0.7804124		10.9	20
1,1-Biphenyl	A	50.00	49.26	1.517387	1.494912		-1.5	20
Caprolactam	A	50.00	49.70	9.763391E-02	9.705326E-02		-0.6	20
3,3'-Dichlorobenzidine	A	50.00	52.38	0.4336178	0.4542412		4.8	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/27/12 00:00
Sequence:	2E15109	Injection Date:	05/29/12
Lab Sample ID:	2E15109-CCV1	Injection Time:	11:34

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	50.90	1.190308	1.21171		1.8	20
Acenaphthylene	A	50.00	50.85	2.029734	2.064269		1.7	20
Anthracene	A	50.00	50.28	1.167748	1.174227		0.6	20
Benzo(a)anthracene	A	50.00	52.10	1.118885	1.165815		4.2	20
Benzo(a)pyrene	A	50.00	51.37	1.040254	1.068708		2.7	20
Benzo(b)fluoranthene	A	50.00	49.46	1.127632	1.115469		-1.1	20
Benzo(g,h,i)perylene	A	50.00	53.96	0.9987589	1.077941		7.9	20
Benzoic acid	L	50.00	48.57	0.1880573	0.2010149		-2.9	20
Benzo(k)fluoranthene	A	50.00	53.59	1.228217	1.316395		7.2	20
4-Bromophenyl-phenylether	A	50.00	53.76	0.2284164	0.2456122		7.5	20
Butylbenzylphthalate	A	50.00	49.51	0.6541472	0.6477452		-1.0	20
Carbazole	A	50.00	50.24	1.10953	1.114907		0.5	20
4-Chloro-3-methylphenol	A	50.00	53.10	0.2714182	0.2882644		6.2	20
4-Chloroaniline	A	50.00	51.86	0.4318974	0.4479665		3.7	20
Bis(2-chloroethoxy)methane	A	50.00	53.62	0.4150089	0.4450795		7.2	20
Bis(2-chloroethyl)ether	A	50.00	53.78	1.459053	1.569221		7.6	20
2,2'-Oxybis-1-chloropropane	A	50.00	46.81	2.083033	1.95008		-6.4	20
2-Chloronaphthalene	A	50.00	53.05	1.218663	1.292988		6.1	20
2-Chlorophenol	A	50.00	53.11	1.452952	1.54337		6.2	20
4-Chlorophenyl phenyl ether	A	50.00	51.21	0.6281961	0.6434126		2.4	20
Chrysene	A	50.00	51.93	1.034442	1.074465		3.9	20
Dibenz(a,h)anthracene	A	50.00	54.44	1.046285	1.139155		8.9	20
Dibenzofuran	A	50.00	52.59	1.723255	1.812548		5.2	20
Di-n-butylphthalate	A	50.00	50.08	1.45114	1.45336		0.2	20
2,4-Dichlorophenol	A	50.00	51.48	0.2700588	0.2780468		3.0	20
Diethylphthalate	A	50.00	53.70	1.388912	1.491835		7.4	20
2,4-Dimethylphenol	A	50.00	52.73	0.3308702	0.348962		5.5	20
Dimethyl phthalate	A	50.00	52.66	1.341949	1.413262		5.3	20
4,6-Dinitro-2-methylphenol	Q	50.00	62.88	0.108535	0.1571001		25.8	20 *

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/27/12 00:00
Sequence:	2E15109	Injection Date:	05/29/12
Lab Sample ID:	2E15109-CCV1	Injection Time:	11:34

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrophenol	Q	50.00	70.86	0.1194553	0.2009952	0.05	41.7	20 *
2,4-Dinitrotoluene	L	50.00	54.69	0.3843431	0.4806644		9.4	20
2,6-Dinitrotoluene	A	50.00	56.47	0.3241444	0.3660868		12.9	20
Di-n-octylphthalate	A	50.00	47.86	1.505078	1.440601		-4.3	20
1,2-Diphenylhydrazine	A	50.00	49.77	0.8384567	0.8345857		-0.5	20
Bis(2-ethylhexyl)phthalate	A	50.00	51.09	0.8896098	0.9090912		2.2	20
Fluoranthene	A	50.00	51.14	1.117006	1.142437		2.3	20
Fluorene	A	50.00	50.02	1.432003	1.432506		0.04	20
Hexachlorobenzene	A	50.00	56.36	0.2784884	0.3139446		12.7	20
Hexachlorobutadiene	A	50.00	54.24	0.1568991	0.1702077		8.5	20
Hexachlorocyclopentadiene	A	50.00	64.27	0.3416666	0.4391548	0.05	28.5	20 *
Hexachloroethane	A	50.00	52.70	0.6290616	0.6629882		5.4	20
Indeno(1,2,3-cd)pyrene	A	50.00	54.27	1.182562	1.283474		8.5	20
Isophorone	A	50.00	52.98	0.6606909	0.7000965		6.0	20
1-Methylnaphthalene	A	50.00	52.04	0.5093698	0.5302049		4.1	20
2-Methylnaphthalene	A	50.00	51.95	0.5247824	0.5452547		3.9	20
2-Methylphenol	A	50.00	53.59	1.327107	1.422501		7.2	20
3-Methylphenol/4-Methylphenol	A	50.00	53.14	1.35859	1.443802		6.3	20
Naphthalene	L	50.00	50.50	1.031178	1.066278		1.0	20
4-Nitroaniline	A	50.00	55.62	0.3668212	0.40803		11.2	20
3-Nitroaniline	A	50.00	52.20	0.3938478	0.4111711		4.4	20
2-Nitroaniline	A	50.00	52.33	0.3020105	0.3160977		4.7	20
Nitrobenzene	A	50.00	53.96	0.3259946	0.3518417		7.9	20
4-Nitrophenol	A	50.00	55.22	0.2038753	0.2251449	0.05	10.4	20
2-Nitrophenol	A	50.00	58.61	0.1757215	0.205998		17.2	20
N-Nitrosodiphenylamine	A	50.00	49.60	0.689474	0.6839891		-0.8	20
N-Nitroso-di-n-propylamine	A	50.00	51.70	0.9270794	0.9586474	0.05	3.4	20
Pentachlorophenol	A	50.00	57.23	0.1749019	0.2001852		14.5	20
Phenanthrene	A	50.00	48.86	1.146315	1.120224		-2.3	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/27/12 00:00
Sequence:	2E15109	Injection Date:	05/29/12
Lab Sample ID:	2E15109-CCV1	Injection Time:	11:34

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	54.44	1.878943	2.045881		8.9	20
Pyrene	A	50.00	47.45	1.289082	1.22324		-5.1	20
2,4,6-Trichlorophenol	A	50.00	53.87	0.3946008	0.4251479		7.7	20
2,4,5-Trichlorophenol	A	50.00	53.75	0.4038871	0.4342062		7.5	20
2-Fluorobiphenyl	A	50.00	55.13	1.277066	1.40817		10.3	20
2-Fluorophenol	A	100.0	103.5	1.345166	1.391964		3.5	20
Nitrobenzene-d5	A	50.00	60.48	0.2830395	0.3423813		21.0	20 *
Phenol-d6	A	100.0	102.8	1.822662	1.87466		2.9	20
Terphenyl-d14	A	50.00	55.37	0.7381191	0.8174549		10.7	20
2,4,6-Tribromophenol	A	100.0	127.5	0.1549393	0.1975856		27.5	20 *

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-CCV2.D	Calibration Date:	04/27/12 00:00
Sequence:	2E15109	Injection Date:	05/29/12
Lab Sample ID:	2E15109-CCV2	Injection Time:	12:02

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	57.04	1.686615	1.92417		14.1	20
Atrazine	A	50.00	56.17	0.1885435	0.2118167		12.3	20
Benzaldehyde	A	50.00	56.74	1.096725	1.24468		13.5	20
Benzidine	A	50.00	58.98	0.7040108	0.8305293		18.0	20
1,1-Biphenyl	A	50.00	53.15	1.517387	1.612943		6.3	20
Caprolactam	A	50.00	60.06	9.763391E-02	0.117271		20.1	20 *
3,3'-Dichlorobenzidine	A	50.00	56.92	0.4336178	0.4936101		13.8	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 2E10006-BLK1 File ID: E10006B1.D

Sampled: Prepared: Analyzed: 05/14/12 14:23

Solids: Preparation: EXT_3510 Dilution:

Batch: 2E10006 Sequence: 2E13601 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	U
92-87-5	Benzidine		12.5	25.0	50.0	Q, U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	U
105-60-2	Caprolactam		1.25	2.50	5.00	Q, U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	Q, U
51-28-5	2,4-Dinitrophenol		1.00	25.0	50.0	Q, X, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

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Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 2E10006-BLK1 File ID: E10006B1.D

Sampled: Prepared: Analyzed: 05/14/12 14:23

Solids: Preparation: EXT_3510 Dilution:

Batch: 2E10006 Sequence: 2E13601 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	X, U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	Q, U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	Q, U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	40.53	81.1	50 - 110	
2-Fluorophenol	100.0	27.92	27.9	20 - 110	
Nitrobenzene-d5	50.00	42.67	85.3	40 - 110	
Phenol-d6	100.0	14.20	14.2	0 - 110	
Terphenyl-d14	50.00	51.58	103	50 - 135	
2,4,6-Tribromophenol	100.0	86.86	86.9	40 - 125	X

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_053

Client: Shaw E & I (I700) | Project: Kirtland AFB 2011

Matrix: | Laboratory ID: 2E10006-BS1 | File ID: E10006L1.D

Sampled: | Prepared: | Analyzed: 05/14/12 14:51

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2E10006 | Sequence: 2E13601 | Calibration: 2121007 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	32.22	1.25	2.50	5.00	
208-96-8	Acenaphthylene	34.82	1.25	2.50	5.00	
98-86-2	Acetophenone	50.50	1.25	2.50	5.00	
120-12-7	Anthracene	41.09	1.25	2.50	5.00	
1912-24-9	Atrazine	48.30	1.25	2.50	5.00	
100-52-7	Benzaldehyde	48.79	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene	40.65	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	40.56	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	40.38	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	42.99	1.25	2.50	5.00	
65-85-0	Benzoic acid	13.52	12.5	25.0	50.0	J
207-08-9	Benzo(k)fluoranthene	41.70	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	49.55	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	41.89	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	39.71	1.25	2.50	5.00	
105-60-2	Caprolactam	6.446	1.25	2.50	5.00	
86-74-8	Carbazole	37.83	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	69.66	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	35.34	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	42.57	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	38.14	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	39.67	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	29.15	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	58.80	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	37.48	1.25	2.50	5.00	
218-01-9	Chrysene	43.03	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	42.80	1.25	2.50	5.00	
132-64-9	Dibenzofuran	35.17	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	41.04	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	35.66	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	72.58	1.25	2.50	5.00	
84-66-2	Diethylphthalate	40.66	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	69.08	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	40.47	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	88.91	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	86.48	1.00	25.0	50.0	X
121-14-2	2,4-Dinitrotoluene	40.13	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	40.35	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	36.61	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_053

Client: Shaw E & I (I700) | Project: Kirtland AFB 2011

Matrix: | Laboratory ID: 2E10006-BS1 | File ID: E10006L1.D

Sampled: | Prepared: | Analyzed: 05/14/12 14:51

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2E10006 | Sequence: 2E13601 | Calibration: 2121007 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	36.81	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	38.46	1.25	2.50	5.00	
206-44-0	Fluoranthene	42.12	1.25	2.50	5.00	
86-73-7	Fluorene	36.46	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	41.09	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	23.66	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	24.33	1.25	2.50	5.00	X
67-72-1	Hexachloroethane	21.72	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	41.95	1.25	2.50	5.00	
78-59-1	Isophorone	38.90	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	29.08	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	26.57	1.25	2.50	5.00	
95-48-7	2-Methylphenol	43.81	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	41.52	1.25	2.50	5.00	
91-20-3	Naphthalene	30.42	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	36.51	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	32.18	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	42.69	5.00	10.0	20.0	
98-95-3	Nitrobenzene	38.04	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	19.04	5.00	10.0	20.0	J
88-75-5	2-Nitrophenol	83.66	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	32.54	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	40.53	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	92.99	5.00	10.0	20.0	
85-01-8	Phenanthrene	41.62	1.25	2.50	5.00	
108-95-2	Phenol	16.43	1.25	2.50	5.00	
129-00-0	Pyrene	39.21	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	82.13	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	83.33	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	43.01	86.0	50 - 110	
2-Fluorophenol	100.0	28.60	28.6	20 - 110	
Nitrobenzene-d5	50.00	44.76	89.5	40 - 110	
Phenol-d6	100.0	15.19	15.2	0 - 110	
Terphenyl-d14	50.00	47.56	95.1	50 - 135	
2,4,6-Tribromophenol	100.0	91.12	91.1	40 - 125	X

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 2E10006-BSD1 File ID: E10006L2.D

Sampled: Prepared: Analyzed: 05/14/12 15:18

Solids: Preparation: EXT_3510 Dilution:

Batch: 2E10006 Sequence: 2E13601 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	34.63	1.25	2.50	5.00	
208-96-8	Acenaphthylene	37.16	1.25	2.50	5.00	
98-86-2	Acetophenone	52.72	1.25	2.50	5.00	
120-12-7	Anthracene	41.90	1.25	2.50	5.00	
1912-24-9	Atrazine	52.10	1.25	2.50	5.00	
100-52-7	Benzaldehyde	52.38	1.25	2.50	5.00	
92-87-5	Benzidine	22.91	12.5	25.0	50.0	J
56-55-3	Benzo(a)anthracene	43.10	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	43.48	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	46.52	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	45.53	1.25	2.50	5.00	
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene	40.89	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	52.04	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	43.48	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	43.39	1.25	2.50	5.00	
105-60-2	Caprolactam	7.229	1.25	2.50	5.00	
86-74-8	Carbazole	40.23	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	75.36	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	36.45	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	43.08	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	40.51	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	41.23	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	31.40	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	64.40	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	39.64	1.25	2.50	5.00	
218-01-9	Chrysene	45.19	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	44.72	1.25	2.50	5.00	
132-64-9	Dibenzofuran	38.56	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	43.62	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	39.24	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	76.57	1.25	2.50	5.00	
84-66-2	Diethylphthalate	43.03	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	75.35	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	42.83	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	54.31	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	43.74	1.00	25.0	50.0	X, J
121-14-2	2,4-Dinitrotoluene	42.84	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	41.32	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	41.02	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_053
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2E10006-BSD1
File ID: E10006L2.D
Sampled:
Prepared:
Analyzed: 05/14/12 15:18
Solids:
Preparation: EXT_3510
Dilution:
Batch: 2E10006
Sequence: 2E13601
Calibration: 2121007
Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	40.35	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	41.11	1.25	2.50	5.00	
206-44-0	Fluoranthene	43.95	1.25	2.50	5.00	
86-73-7	Fluorene	39.11	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	42.98	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	26.87	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	26.88	1.25	2.50	5.00	X
67-72-1	Hexachloroethane	24.21	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	45.01	1.25	2.50	5.00	
78-59-1	Isophorone	40.06	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	31.27	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	30.04	1.25	2.50	5.00	
95-48-7	2-Methylphenol	50.87	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	46.59	1.25	2.50	5.00	
91-20-3	Naphthalene	32.83	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	40.94	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	35.08	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	44.72	5.00	10.0	20.0	
98-95-3	Nitrobenzene	40.29	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	12.42	5.00	10.0	20.0	J
88-75-5	2-Nitrophenol	86.83	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	35.74	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	42.03	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	63.77	5.00	10.0	20.0	
85-01-8	Phenanthrene	41.71	1.25	2.50	5.00	
108-95-2	Phenol	19.66	1.25	2.50	5.00	
129-00-0	Pyrene	40.95	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	71.45	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	80.87	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	45.10	90.2	50 - 110	
2-Fluorophenol	100.0	30.38	30.4	20 - 110	
Nitrobenzene-d5	50.00	47.75	95.5	40 - 110	
Phenol-d6	100.0	18.68	18.7	0 - 110	
Terphenyl-d14	50.00	51.82	104	50 - 135	
2,4,6-Tribromophenol	100.0	88.16	88.2	40 - 125	X

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 2E11005-BLK1 File ID: E11005B1.D

Sampled: Prepared: Analyzed: 05/15/12 13:20

Solids: Preparation: EXT_3510 Dilution:

Batch: 2E11005 Sequence: 2E13901 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	Q, U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	Q, U
100-52-7	Benzaldehyde		1.25	2.50	5.00	U
92-87-5	Benzidine		12.5	25.0	50.0	Q, U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	Q, U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	U
105-60-2	Caprolactam		1.25	2.50	5.00	Q, U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		1.00	25.0	50.0	X, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 2E11005-BLK1 File ID: E11005B1.D

Sampled: Prepared: Analyzed: 05/15/12 13:20

Solids: Preparation: EXT_3510 Dilution:

Batch: 2E11005 Sequence: 2E13901 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	Q, X, U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	45.97	91.9	50 - 110	
2-Fluorophenol	100.0	39.40	39.4	20 - 110	
Nitrobenzene-d5	50.00	49.94	99.9	40 - 110	
Phenol-d6	100.0	20.91	20.9	0 - 110	
Terphenyl-d14	50.00	56.16	112	50 - 135	
2,4,6-Tribromophenol	100.0	104.3	104	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_053

Client: Shaw E & I (I700) | Project: Kirtland AFB 2011

Matrix: | Laboratory ID: 2E11005-BS1 | File ID: E11005L1.D

Sampled: | Prepared: | Analyzed: 05/15/12 13:48

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2E11005 | Sequence: 2E13901 | Calibration: 2121007 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	37.02	1.25	2.50	5.00	
208-96-8	Acenaphthylene	37.77	1.25	2.50	5.00	
98-86-2	Acetophenone	49.35	1.25	2.50	5.00	
120-12-7	Anthracene	40.63	1.25	2.50	5.00	
1912-24-9	Atrazine	56.02	1.25	2.50	5.00	
100-52-7	Benzaldehyde	48.26	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene	43.54	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	41.80	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	41.87	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	43.37	1.25	2.50	5.00	
65-85-0	Benzoic acid	19.31	12.5	25.0	50.0	J
207-08-9	Benzo(k)fluoranthene	43.67	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	50.67	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	42.43	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	42.04	1.25	2.50	5.00	
105-60-2	Caprolactam	8.613	1.25	2.50	5.00	
86-74-8	Carbazole	38.90	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	80.64	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	33.68	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	38.67	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	34.34	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	37.98	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	34.61	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	62.38	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	42.81	1.25	2.50	5.00	
218-01-9	Chrysene	45.45	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	43.29	1.25	2.50	5.00	
132-64-9	Dibenzofuran	39.69	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	40.52	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	36.92	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	73.55	1.25	2.50	5.00	
84-66-2	Diethylphthalate	43.79	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	77.46	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	40.85	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	94.21	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	90.36	1.00	25.0	50.0	X
121-14-2	2,4-Dinitrotoluene	42.92	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	40.31	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	40.83	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_053

Client: Shaw E & I (I700) | Project: Kirtland AFB 2011

Matrix: | Laboratory ID: 2E11005-BS1 | File ID: E11005L1.D

Sampled: | Prepared: | Analyzed: 05/15/12 13:48

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2E11005 | Sequence: 2E13901 | Calibration: 2121007 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	39.67	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	43.69	1.25	2.50	5.00	
206-44-0	Fluoranthene	41.72	1.25	2.50	5.00	
86-73-7	Fluorene	42.26	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	44.25	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	27.72	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	30.83	1.25	2.50	5.00	
67-72-1	Hexachloroethane	23.54	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	43.75	1.25	2.50	5.00	
78-59-1	Isophorone	36.98	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	34.57	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	32.54	1.25	2.50	5.00	
95-48-7	2-Methylphenol	52.11	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	48.69	1.25	2.50	5.00	
91-20-3	Naphthalene	32.06	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	42.28	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	35.09	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	46.60	5.00	10.0	20.0	
98-95-3	Nitrobenzene	36.13	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	30.45	5.00	10.0	20.0	X
88-75-5	2-Nitrophenol	78.66	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	33.53	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	40.06	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	96.55	5.00	10.0	20.0	
85-01-8	Phenanthrene	40.26	1.25	2.50	5.00	
108-95-2	Phenol	20.07	1.25	2.50	5.00	
129-00-0	Pyrene	40.85	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	83.92	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	89.86	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	41.70	83.4	50 - 110	
2-Fluorophenol	100.0	34.43	34.4	20 - 110	
Nitrobenzene-d5	50.00	43.41	86.8	40 - 110	
Phenol-d6	100.0	18.97	19.0	0 - 110	
Terphenyl-d14	50.00	52.18	104	50 - 135	
2,4,6-Tribromophenol	100.0	97.94	97.9	40 - 125	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_053

Client: Shaw E & I (I700) | Project: Kirtland AFB 2011

Matrix: | Laboratory ID: 2E11005-BSD1 | File ID: E11005L2.D

Sampled: | Prepared: | Analyzed: 05/15/12 14:15

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2E11005 | Sequence: 2E13901 | Calibration: 2121007 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	41.69	1.25	2.50	5.00	
208-96-8	Acenaphthylene	44.07	1.25	2.50	5.00	
98-86-2	Acetophenone	60.54	1.25	2.50	5.00	
120-12-7	Anthracene	47.48	1.25	2.50	5.00	
1912-24-9	Atrazine	63.14	1.25	2.50	5.00	
100-52-7	Benzaldehyde	59.18	1.25	2.50	5.00	
92-87-5	Benzidine	15.14	12.5	25.0	50.0	J
56-55-3	Benzo(a)anthracene	46.26	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	47.24	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	45.94	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	47.90	1.25	2.50	5.00	
65-85-0	Benzoic acid	15.06	12.5	25.0	50.0	J
207-08-9	Benzo(k)fluoranthene	51.20	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	59.88	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	49.74	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	47.03	1.25	2.50	5.00	
105-60-2	Caprolactam	10.48	1.25	2.50	5.00	
86-74-8	Carbazole	44.54	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	92.17	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	37.64	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	48.02	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	44.17	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	47.85	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	42.22	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	69.24	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	49.20	1.25	2.50	5.00	
218-01-9	Chrysene	49.23	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	48.67	1.25	2.50	5.00	
132-64-9	Dibenzofuran	45.66	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	47.28	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	40.28	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	80.96	1.25	2.50	5.00	
84-66-2	Diethylphthalate	49.79	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	93.60	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	46.39	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	77.82	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	71.21	1.00	25.0	50.0	X
121-14-2	2,4-Dinitrotoluene	46.41	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	47.63	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	46.54	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 2E11005-BSD1 File ID: E11005L2.D

Sampled: Prepared: Analyzed: 05/15/12 14:15

Solids: Preparation: EXT_3510 Dilution:

Batch: 2E11005 Sequence: 2E13901 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	46.99	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	47.00	1.25	2.50	5.00	
206-44-0	Fluoranthene	47.96	1.25	2.50	5.00	
86-73-7	Fluorene	46.75	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	50.99	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	35.78	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	39.27	1.25	2.50	5.00	
67-72-1	Hexachloroethane	29.56	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	48.95	1.25	2.50	5.00	
78-59-1	Isophorone	45.85	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	41.99	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	39.17	1.25	2.50	5.00	
95-48-7	2-Methylphenol	63.16	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	60.15	1.25	2.50	5.00	
91-20-3	Naphthalene	40.81	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	43.99	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	38.15	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	50.96	5.00	10.0	20.0	
98-95-3	Nitrobenzene	46.93	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	22.24	5.00	10.0	20.0	X
88-75-5	2-Nitrophenol	86.27	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	37.73	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	47.05	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	78.27	5.00	10.0	20.0	
85-01-8	Phenanthrene	48.85	1.25	2.50	5.00	
108-95-2	Phenol	23.13	1.25	2.50	5.00	
129-00-0	Pyrene	45.53	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	76.90	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	83.29	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	47.75	95.5	50 - 110	
2-Fluorophenol	100.0	34.01	34.0	20 - 110	
Nitrobenzene-d5	50.00	53.02	106	40 - 110	
Phenol-d6	100.0	21.68	21.7	0 - 110	
Terphenyl-d14	50.00	56.21	112	50 - 135	
2,4,6-Tribromophenol	100.0	95.40	95.4	40 - 125	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 2E14006-BLK1 File ID: E14006B1.D

Sampled: Prepared: Analyzed: 05/18/12 15:36

Solids: Preparation: EXT_3510 Dilution:

Batch: 2E14006 Sequence: 2E14201 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	U
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	U
105-60-2	Caprolactam		1.25	2.50	5.00	Q, U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	X, U
51-28-5	2,4-Dinitrophenol		1.00	25.0	50.0	X, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_053	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2E14006-BLK1	File ID:	E14006B1.D
Sampled:		Prepared:		Analyzed:	05/18/12 15:36
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 2E14006 Sequence: 2E14201 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	48.53	97.1	50 - 110	
2-Fluorophenol	100.0	37.85	37.9	20 - 110	
Nitrobenzene-d5	50.00	51.16	102	40 - 110	
Phenol-d6	100.0	21.17	21.2	0 - 110	
Terphenyl-d14	50.00	58.15	116	50 - 135	
2,4,6-Tribromophenol	100.0	93.22	93.2	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_053

Client: Shaw E & I (I700) | Project: Kirtland AFB 2011

Matrix: | Laboratory ID: 2E14006-BS1 | File ID: E14006L1.D

Sampled: | Prepared: | Analyzed: 05/18/12 16:04

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2E14006 | Sequence: 2E14201 | Calibration: 2121007 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	42.08	1.25	2.50	5.00	
208-96-8	Acenaphthylene	44.40	1.25	2.50	5.00	
98-86-2	Acetophenone	49.07	1.25	2.50	5.00	
120-12-7	Anthracene	47.51	1.25	2.50	5.00	
1912-24-9	Atrazine	52.35	1.25	2.50	5.00	
100-52-7	Benzaldehyde	48.76	1.25	2.50	5.00	
92-87-5	Benzidine	14.00	12.5	25.0	50.0	J
56-55-3	Benzo(a)anthracene	48.07	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	48.10	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	46.83	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	49.74	1.25	2.50	5.00	
65-85-0	Benzoic acid	18.86	12.5	25.0	50.0	J
207-08-9	Benzo(k)fluoranthene	47.99	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	49.73	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	48.58	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	49.21	1.25	2.50	5.00	
105-60-2	Caprolactam	8.432	1.25	2.50	5.00	
86-74-8	Carbazole	45.12	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	92.73	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	37.23	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	48.93	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	44.63	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	43.51	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	41.08	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	80.10	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	44.53	1.25	2.50	5.00	
218-01-9	Chrysene	50.66	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	49.66	1.25	2.50	5.00	
132-64-9	Dibenzofuran	44.18	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	49.04	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	44.40	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	87.01	1.25	2.50	5.00	
84-66-2	Diethylphthalate	48.01	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	93.58	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	46.40	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	100.8	5.00	10.0	20.0	X, E
51-28-5	2,4-Dinitrophenol	97.09	1.00	25.0	50.0	X
121-14-2	2,4-Dinitrotoluene	45.83	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	45.73	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	48.10	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_053

Client: Shaw E & I (I700) | Project: Kirtland AFB 2011

Matrix: | Laboratory ID: 2E14006-BS1 | File ID: E14006L1.D

Sampled: | Prepared: | Analyzed: 05/18/12 16:04

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2E14006 | Sequence: 2E14201 | Calibration: 2121007 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	44.18	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	49.21	1.25	2.50	5.00	
206-44-0	Fluoranthene	47.80	1.25	2.50	5.00	
86-73-7	Fluorene	43.76	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	48.64	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	38.00	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	41.93	1.25	2.50	5.00	
67-72-1	Hexachloroethane	33.08	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	49.50	1.25	2.50	5.00	
78-59-1	Isophorone	44.96	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	43.01	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	41.24	1.25	2.50	5.00	
95-48-7	2-Methylphenol	67.81	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	63.87	1.25	2.50	5.00	
91-20-3	Naphthalene	41.11	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	45.76	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	38.18	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	48.55	5.00	10.0	20.0	
98-95-3	Nitrobenzene	44.20	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	29.70	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	96.19	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	39.28	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	48.02	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	101.9	5.00	10.0	20.0	E
85-01-8	Phenanthrene	47.56	1.25	2.50	5.00	
108-95-2	Phenol	26.87	1.25	2.50	5.00	
129-00-0	Pyrene	47.45	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	88.16	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	93.54	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	48.73	97.5	50 - 110	
2-Fluorophenol	100.0	43.93	43.9	20 - 110	
Nitrobenzene-d5	50.00	51.81	104	40 - 110	
Phenol-d6	100.0	25.30	25.3	0 - 110	
Terphenyl-d14	50.00	56.93	114	50 - 135	
2,4,6-Tribromophenol	100.0	102.6	103	40 - 125	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 2E15006-BLK1 File ID: E15006B1.D

Sampled: Prepared: Analyzed: 05/16/12 16:15

Solids: Preparation: EXT_3510 Dilution:

Batch: 2E15006 Sequence: 2E13902 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	U
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	U
105-60-2	Caprolactam		1.25	2.50	5.00	Q, U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		1.00	25.0	50.0	U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 2E15006-BLK1 File ID: E15006B1.D

Sampled: Prepared: Analyzed: 05/16/12 16:15

Solids: Preparation: EXT_3510 Dilution:

Batch: 2E15006 Sequence: 2E13902 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	41.64	83.3	50 - 110	
2-Fluorophenol	100.0	35.53	35.5	20 - 110	
Nitrobenzene-d5	50.00	44.10	88.2	40 - 110	
Phenol-d6	100.0	19.68	19.7	0 - 110	
Terphenyl-d14	50.00	53.77	108	50 - 135	
2,4,6-Tribromophenol	100.0	92.75	92.7	40 - 125	X

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_053

Client: Shaw E & I (I700) | Project: Kirtland AFB 2011

Matrix: | Laboratory ID: 2E15006-BS1 | File ID: E15006L1.D

Sampled: | Prepared: | Analyzed: 05/16/12 16:43

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2E15006 | Sequence: 2E13902 | Calibration: 2121007 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	39.54	1.25	2.50	5.00	
208-96-8	Acenaphthylene	42.06	1.25	2.50	5.00	
98-86-2	Acetophenone	45.81	1.25	2.50	5.00	
120-12-7	Anthracene	44.58	1.25	2.50	5.00	
1912-24-9	Atrazine	50.44	1.25	2.50	5.00	
100-52-7	Benzaldehyde	47.70	1.25	2.50	5.00	
92-87-5	Benzidine	15.38	12.5	25.0	50.0	J
56-55-3	Benzo(a)anthracene	44.70	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	45.19	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	44.00	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	46.83	1.25	2.50	5.00	
65-85-0	Benzoic acid	19.15	12.5	25.0	50.0	J
207-08-9	Benzo(k)fluoranthene	45.89	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	44.34	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	47.71	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	48.09	1.25	2.50	5.00	
105-60-2	Caprolactam	8.443	1.25	2.50	5.00	
86-74-8	Carbazole	44.70	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	85.42	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	37.43	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	46.18	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	43.20	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	40.36	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	38.81	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	71.45	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	42.41	1.25	2.50	5.00	
218-01-9	Chrysene	47.42	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	46.75	1.25	2.50	5.00	
132-64-9	Dibenzofuran	40.61	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	46.52	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	45.83	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	79.95	1.25	2.50	5.00	
84-66-2	Diethylphthalate	44.69	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	87.15	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	43.91	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	92.03	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	86.76	1.00	25.0	50.0	
121-14-2	2,4-Dinitrotoluene	42.99	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	42.81	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	48.09	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 2E15006-BS1 File ID: E15006L1.D

Sampled: Prepared: Analyzed: 05/16/12 16:43

Solids: Preparation: EXT_3510 Dilution:

Batch: 2E15006 Sequence: 2E13902 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	44.70	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	48.25	1.25	2.50	5.00	
206-44-0	Fluoranthene	45.79	1.25	2.50	5.00	
86-73-7	Fluorene	41.76	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	46.64	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	37.87	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	39.82	1.25	2.50	5.00	
67-72-1	Hexachloroethane	32.81	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	46.73	1.25	2.50	5.00	
78-59-1	Isophorone	43.80	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	40.30	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	39.46	1.25	2.50	5.00	
95-48-7	2-Methylphenol	63.00	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	56.66	1.25	2.50	5.00	
91-20-3	Naphthalene	38.75	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	43.38	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	37.10	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	47.37	5.00	10.0	20.0	
98-95-3	Nitrobenzene	42.33	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	24.22	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	88.88	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	38.71	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	45.44	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	94.05	5.00	10.0	20.0	
85-01-8	Phenanthrene	45.42	1.25	2.50	5.00	
108-95-2	Phenol	23.82	1.25	2.50	5.00	
129-00-0	Pyrene	43.55	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	81.81	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	90.12	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	46.21	92.4	50 - 110	
2-Fluorophenol	100.0	38.58	38.6	20 - 110	
Nitrobenzene-d5	50.00	51.04	102	40 - 110	
Phenol-d6	100.0	22.45	22.4	0 - 110	
Terphenyl-d14	50.00	54.32	109	50 - 135	
2,4,6-Tribromophenol	100.0	96.36	96.4	40 - 125	X

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 2E15006-BSD1 File ID: E15006L2.D

Sampled: Prepared: Analyzed: 05/16/12 17:11

Solids: Preparation: EXT_3510 Dilution:

Batch: 2E15006 Sequence: 2E13902 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	43.11	1.25	2.50	5.00	
208-96-8	Acenaphthylene	44.10	1.25	2.50	5.00	
98-86-2	Acetophenone	47.71	1.25	2.50	5.00	
120-12-7	Anthracene	45.38	1.25	2.50	5.00	
1912-24-9	Atrazine	51.57	1.25	2.50	5.00	
100-52-7	Benzaldehyde	49.43	1.25	2.50	5.00	
92-87-5	Benzidine	18.23	12.5	25.0	50.0	J
56-55-3	Benzo(a)anthracene	46.81	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	46.72	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	50.74	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	47.66	1.25	2.50	5.00	
65-85-0	Benzoic acid	18.54	12.5	25.0	50.0	J
207-08-9	Benzo(k)fluoranthene	44.73	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	50.10	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	49.24	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	50.86	1.25	2.50	5.00	
105-60-2	Caprolactam	8.425	1.25	2.50	5.00	
86-74-8	Carbazole	45.28	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	88.92	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	38.97	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	50.12	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	44.15	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	42.37	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	41.00	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	74.48	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	44.32	1.25	2.50	5.00	
218-01-9	Chrysene	48.55	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	48.62	1.25	2.50	5.00	
132-64-9	Dibenzofuran	44.66	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	49.17	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	47.41	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	84.25	1.25	2.50	5.00	
84-66-2	Diethylphthalate	47.62	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	91.27	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	47.39	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	94.05	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	95.62	1.00	25.0	50.0	
121-14-2	2,4-Dinitrotoluene	48.25	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	46.05	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	49.68	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 2E15006-BSD1 File ID: E15006L2.D

Sampled: Prepared: Analyzed: 05/16/12 17:11

Solids: Preparation: EXT_3510 Dilution:

Batch: 2E15006 Sequence: 2E13902 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	43.21	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	49.78	1.25	2.50	5.00	
206-44-0	Fluoranthene	46.01	1.25	2.50	5.00	
86-73-7	Fluorene	44.26	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	46.48	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	36.55	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	41.34	1.25	2.50	5.00	
67-72-1	Hexachloroethane	31.22	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	48.11	1.25	2.50	5.00	
78-59-1	Isophorone	45.35	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	40.74	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	39.37	1.25	2.50	5.00	
95-48-7	2-Methylphenol	63.77	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	58.24	1.25	2.50	5.00	
91-20-3	Naphthalene	38.59	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	47.92	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	41.89	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	49.20	5.00	10.0	20.0	
98-95-3	Nitrobenzene	43.62	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	27.13	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	93.14	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	37.27	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	46.35	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	96.53	5.00	10.0	20.0	
85-01-8	Phenanthrene	45.78	1.25	2.50	5.00	
108-95-2	Phenol	24.84	1.25	2.50	5.00	
129-00-0	Pyrene	46.92	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	87.86	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	95.72	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	49.98	100	50 - 110	
2-Fluorophenol	100.0	40.57	40.6	20 - 110	
Nitrobenzene-d5	50.00	52.38	105	40 - 110	
Phenol-d6	100.0	23.06	23.1	0 - 110	
Terphenyl-d14	50.00	55.37	111	50 - 135	
2,4,6-Tribromophenol	100.0	97.87	97.9	40 - 125	X

HOLDING TIME SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
GW0517	05/07/12 15:44	05/09/12 08:20	05/10/12 10:40	2.75	7.00	05/15/12 19:44	5.38	40.00	
GW0517	05/07/12 15:44	05/09/12 08:20	05/10/12 10:40	2.75	7.00	05/16/12 10:07	5.98	40.00	
GW0518	05/07/12 11:59	05/09/12 08:20	05/10/12 10:40	2.90	7.00	05/14/12 16:13	4.23	40.00	
GW0563	05/07/12 15:51	05/09/12 08:20	05/10/12 10:40	2.74	7.00	05/15/12 20:12	5.40	40.00	
GW0563	05/07/12 15:51	05/09/12 08:20	05/10/12 10:40	2.74	7.00	05/16/12 10:34	6.00	40.00	
GW0564	05/07/12 13:24	05/09/12 08:20	05/10/12 10:40	2.84	7.00	05/14/12 17:08	4.27	40.00	
GW0565	05/07/12 11:09	05/09/12 08:20	05/10/12 10:40	2.94	7.00	05/14/12 17:35	4.29	40.00	
GW0587	05/08/12 13:28	05/09/12 08:20	05/10/12 10:40	1.84	7.00	05/15/12 19:17	5.36	40.00	
GW0588	05/08/12 11:03	05/09/12 08:20	05/10/12 10:40	1.94	7.00	05/14/12 18:30	4.33	40.00	
GW0589	05/08/12 11:03	05/09/12 08:20	05/10/12 10:40	1.94	7.00	05/14/12 18:57	4.35	40.00	
GW0610	05/08/12 12:45	05/09/12 08:20	05/15/12 13:19	6.98	7.00	05/16/12 17:38	1.18	40.00	
GW0611	05/08/12 12:45	05/09/12 08:20	05/10/12 10:40	1.87	7.00	05/14/12 19:52	4.38	40.00	
GW0612	05/08/12 10:31	05/09/12 08:20	05/10/12 10:40	1.96	7.00	05/14/12 20:19	4.40	40.00	
GW8050-RB	05/07/12 08:40	05/09/12 08:20	05/10/12 10:40	3.04	7.00	05/14/12 20:46	4.42	40.00	
GW0511	05/09/12 11:13	05/10/12 08:20	05/11/12 12:11	2.00	7.00	05/15/12 20:39	4.35	40.00	
GW0512	05/09/12 11:13	05/10/12 08:20	05/11/12 12:11	2.00	7.00	05/15/12 21:06	4.37	40.00	
GW0570	05/09/12 13:09	05/10/12 08:20	05/11/12 12:11	1.92	7.00	05/15/12 14:43	4.11	40.00	
GW0586	05/08/12 15:27	05/10/12 08:20	05/11/12 12:11	2.82	7.00	05/15/12 15:10	4.12	40.00	
GW0599	05/09/12 09:59	05/10/12 08:20	05/11/12 12:11	2.05	7.00	05/15/12 17:01	4.20	40.00	
GW0600	05/09/12 09:59	05/10/12 08:20	05/11/12 12:11	2.05	7.00	05/15/12 17:28	4.22	40.00	
GW0609	05/08/12 15:01	05/10/12 08:20	05/11/12 12:11	2.84	7.00	05/15/12 17:55	4.24	40.00	
GW0508	05/09/12 15:58	05/11/12 08:20	05/14/12 10:52	4.75	7.00	05/21/12 08:41	6.91	40.00	
GW0508	05/09/12 15:58	05/11/12 08:20	05/14/12 10:52	4.75	7.00	05/29/12 19:23	15.35	40.00	
GW0509	05/10/12 11:21	05/11/12 08:20	05/14/12 10:52	3.94	7.00	05/18/12 17:26	4.27	40.00	

HOLDING TIME SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
GW0513	05/09/12 15:48	05/11/12 08:20	05/14/12 10:52	4.75	7.00	05/19/12 00:40	4.58	40.00	
GW0583	05/10/12 15:38	05/11/12 08:20	05/14/12 10:52	3.76	7.00	05/19/12 01:07	4.59	40.00	
GW0583	05/10/12 15:38	05/11/12 08:20	05/14/12 10:52	3.76	7.00	05/21/12 09:09	6.93	40.00	
GW0584	05/10/12 11:10	05/11/12 08:20	05/14/12 10:52	3.95	7.00	05/18/12 17:54	4.29	40.00	
GW8051-RB	05/10/12 08:22	05/11/12 08:20	05/14/12 10:52	4.06	7.00	05/18/12 18:21	4.31	40.00	
GW0585	05/14/12 11:43	05/15/12 08:30	05/15/12 13:19	1.03	7.00	05/16/12 19:00	1.24	40.00	

SW8015B (DRO)
Forms

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10208	Instrument:	GL-GCFID2
Calibration:	2102003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2D10208-CAL1	003F0301.D	04/09/12 14:48
Cal Standard	2D10208-CAL2	004F0401.D	04/09/12 15:22
Cal Standard	2D10208-CAL3	005F0501.D	04/09/12 15:55
Cal Standard	2D10208-CAL4	006F0601.D	04/09/12 16:29
Cal Standard	2D10208-CAL5	007F0701.D	04/09/12 17:02
Cal Standard	2D10208-CAL6	008F0801.D	04/09/12 17:35
Initial Cal Check	2D10208-ICV1	009F0901.D	04/09/12 18:09

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13506	Instrument:	GL-GCFID2
Calibration:	2102003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2E13506-CCV1	003F0301.D	05/10/12 20:16
Blank	2E10005-BLK1	004F0401.D	05/10/12 20:50
LCS	2E10005-BS1	005F0501.D	05/10/12 21:23
LCS Dup	2E10005-BSD1	006F0601.D	05/10/12 21:56
GW0518	1205054-03	008F0801.D	05/10/12 23:02
GW0564	1205054-07	010F1001.D	05/11/12 00:09
GW0565	1205054-09	011F1101.D	05/11/12 00:42
GW0588	1205054-13	013F1301.D	05/11/12 01:48
GW0589	1205054-15	014F1401.D	05/11/12 02:21
GW0610	1205054-17	015F1501.D	05/11/12 02:54
GW0611	1205054-19	016F1601.D	05/11/12 03:27
Calibration Check	2E13506-CCV2	017F1701.D	05/11/12 04:01
GW0612	1205054-21	018F1801.D	05/11/12 04:34
GW8050-RB	1205054-23	019F1901.D	05/11/12 05:07
Calibration Check	2E13506-CCV3	020F2001.D	05/11/12 05:40

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13606	Instrument:	GL-GCFID2
Calibration:	2102003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2E13606-CCV1	010F1001.D	05/14/12 16:43
GW0599	1205070-09	015F1501.D	05/14/12 19:29
GW0600	1205070-11	016F1601.D	05/14/12 20:02
GW0609	1205070-13	017F1701.D	05/14/12 20:36
GW0517	1205054-01RE1	018F1801.D	05/14/12 21:09
GW0563	1205054-05RE1	019F1901.D	05/14/12 21:42
GW0587	1205054-11RE1	020F2001.D	05/14/12 22:15
Calibration Check	2E13606-CCV2	021F2101.D	05/14/12 22:48

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E14217	Instrument:	GL-GCFID2
Calibration:	2102003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2E14217-CCV1	014F1401.D	05/17/12 21:35
Blank	2E14007-BLK1	015F1501.D	05/17/12 22:08
LCS	2E14007-BS1	016F1601.D	05/17/12 22:42
LCS Dup	2E14007-BSD1	017F1701.D	05/17/12 23:15
GW0509	1205080-03	019F1901.D	05/18/12 00:21
GW0513	1205080-05	020F2001.D	05/18/12 00:54
GW0584	1205080-09	022F2201.D	05/18/12 02:00
GW8051-RB	1205080-11	023F2301.D	05/18/12 02:33
Blank	2E16006-BLK1	024F2401.D	05/18/12 03:06
LCS	2E16006-BS1	025F2501.D	05/18/12 03:39
LCS Dup	2E16006-BSD1	026F2601.D	05/18/12 04:12
GW0585	1205096-01	028F2801.D	05/18/12 05:18
Calibration Check	2E14217-CCV2	029F2901.D	05/18/12 05:51

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E14405	Instrument:	GL-GCFID2
Calibration:	2102003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2E14405-CCV1	003F0301.D	05/22/12 15:48
GW0508	1205080-01RE1	004F0401.D	05/22/12 16:22
GW0583	1205080-07RE1	005F0501.D	05/22/12 16:55
GW0570	1205070-05RE1	007F0701.D	05/22/12 18:01
GW0586	1205070-07RE1	008F0801.D	05/22/12 18:35
Calibration Check	2E14405-CCV2	015F1501.D	05/22/12 22:28

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2F16704	Instrument:	GL-GCFID2
Calibration:	2167001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2F16704-CAL6	003F0301.D	06/14/12 15:58
Cal Standard	2F16704-CAL5	004F0401.D	06/14/12 16:31
Cal Standard	2F16704-CAL4	005F0501.D	06/14/12 17:05
Cal Standard	2F16704-CAL3	006F0601.D	06/14/12 17:38
Cal Standard	2F16704-CAL2	007F0701.D	06/14/12 18:12
Cal Standard	2F16704-CAL1	008F0801.D	06/14/12 18:45
Initial Cal Check	2F16704-ICV1	009F0901.D	06/14/12 19:18

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2F16708	Instrument:	GL-GCFID2
Calibration:	2167001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2F16708-CCV1	010F1001.D	06/14/12 19:51
Blank	2F08008-BLK1	011F1101.D	06/14/12 20:24
LCS	2F08008-BS1	012F1201.D	06/14/12 20:58
LCS Dup	2F08008-BSD1	013F1301.D	06/14/12 21:31
GW0511	1205070-01RE1	014F1401.D	06/14/12 22:04
GW0512	1205070-03RE2	015F1501.D	06/14/12 22:37
Calibration Check	2F16708-CCV2	016F1601.D	06/14/12 23:10

ANALYSIS DATA SHEET

GW0517

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-01RE1	File ID:	018F1801.D
Sampled:	05/07/12 15:44	Prepared:	05/10/12 13:13	Analyzed:	05/14/12 21:09
Solids:		Preparation:	EXT_3510	Dilution:	20

Batch: 2E10005 Sequence: 2E13606 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	57.1	1.89	3.77	7.55	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01781	94.4	30 - 140	

ANALYSIS DATA SHEET

GW0518

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-03	File ID:	008F0801.D
Sampled:	05/07/12 11:59	Prepared:	05/10/12 13:13	Analyzed:	05/10/12 23:02
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E10005 Sequence: 2E13506 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	1.37	0.0980	0.196	0.392	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.01551	79.1	30 - 140	

ANALYSIS DATA SHEET

GW0563

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-05RE1	File ID:	019F1901.D
Sampled:	05/07/12 15:51	Prepared:	05/10/12 13:13	Analyzed:	05/14/12 21:42
Solids:		Preparation:	EXT_3510	Dilution:	20

Batch: 2E10005 Sequence: 2E13606 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	44.5	1.87	3.74	7.48	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01869	0.02150	115	30 - 140	

ANALYSIS DATA SHEET

GW0564

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-07	File ID:	010F1001.D
Sampled:	05/07/12 13:24	Prepared:	05/10/12 13:13	Analyzed:	05/11/12 00:09
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E10005 Sequence: 2E13506 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.571	0.0935	0.187	0.374	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01869	0.01550	82.9	30 - 140	

ANALYSIS DATA SHEET

GW0565

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-09	File ID:	011F1101.D
Sampled:	05/07/12 11:09	Prepared:	05/10/12 13:13	Analyzed:	05/11/12 00:42
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E10005 Sequence: 2E13506 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0935	0.187	0.374	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01869	0.01597	85.4	30 - 140	

ANALYSIS DATA SHEET

GW0587

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-11RE1	File ID:	020F2001.D
Sampled:	05/08/12 13:28	Prepared:	05/10/12 13:13	Analyzed:	05/14/12 22:15
Solids:		Preparation:	EXT_3510	Dilution:	2

Batch: 2E10005 Sequence: 2E13606 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	8.56	0.189	0.377	0.755	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01435	76.1	30 - 140	

ANALYSIS DATA SHEET

GW0588

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-13	File ID:	013F1301.D
Sampled:	05/08/12 11:03	Prepared:	05/10/12 13:13	Analyzed:	05/11/12 01:48
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E10005 Sequence: 2E13506 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.249	0.0980	0.196	0.392	J

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.01659	84.6	30 - 140	

ANALYSIS DATA SHEET

GW0589

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-15	File ID:	014F1401.D
Sampled:	05/08/12 11:03	Prepared:	05/10/12 13:13	Analyzed:	05/11/12 02:21
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E10005 Sequence: 2E13506 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0926	0.185	0.370	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01852	0.01409	76.1	30 - 140	

ANALYSIS DATA SHEET

GW0610

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-17	File ID:	015F1501.D
Sampled:	05/08/12 12:45	Prepared:	05/10/12 13:13	Analyzed:	05/11/12 02:54
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E10005 Sequence: 2E13506 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0980	0.196	0.392	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.02258	115	30 - 140	

ANALYSIS DATA SHEET

GW0611

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-19	File ID:	016F1601.D
Sampled:	05/08/12 12:45	Prepared:	05/10/12 13:13	Analyzed:	05/11/12 03:27
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E10005 Sequence: 2E13506 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0980	0.196	0.392	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.02173	111	30 - 140	

ANALYSIS DATA SHEET

GW0612

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-21	File ID:	018F1801.D
Sampled:	05/08/12 10:31	Prepared:	05/10/12 13:13	Analyzed:	05/11/12 04:34
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E10005 Sequence: 2E13506 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0962	0.192	0.385	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.01842	95.8	30 - 140	

ANALYSIS DATA SHEET

GW8050-RB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-23	File ID:	019F1901.D
Sampled:	05/07/12 08:40	Prepared:	05/10/12 13:13	Analyzed:	05/11/12 05:07
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E10005 Sequence: 2E13506 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0943	0.189	0.377	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.02104	111	30 - 140	

ANALYSIS DATA SHEET

GW0511

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-01RE1	File ID:	014F1401.D
Sampled:	05/09/12 11:13	Prepared:	06/08/12 13:23	Analyzed:	06/14/12 22:04
Solids:		Preparation:	EXT_3510	Dilution:	5

Batch: 2F08008 Sequence: 2F16708 Calibration: 2167001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	7.31	0.472	0.943	1.89	H2, D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01766	93.6	30 - 140	H2

ANALYSIS DATA SHEET

GW0512

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-03RE2	File ID:	015F1501.D
Sampled:	05/09/12 11:13	Prepared:	06/08/12 13:23	Analyzed:	06/14/12 22:37
Solids:		Preparation:	EXT_3510	Dilution:	5

Batch: 2F08008 Sequence: 2F16708 Calibration: 2167001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	8.71	0.481	0.962	1.92	H2, D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.01966	102	30 - 140	H2

ANALYSIS DATA SHEET

GW0570

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-05RE1	File ID:	007F0701.D
Sampled:	05/09/12 13:09	Prepared:	05/11/12 12:11	Analyzed:	05/22/12 18:01
Solids:		Preparation:	EXT_3510	Dilution:	20

Batch: 2E10005 Sequence: 2E14405 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	45.4	1.92	3.85	7.69	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.01826	95.0	30 - 140	

ANALYSIS DATA SHEET

GW0586

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-07RE1	File ID:	008F0801.D
Sampled:	05/08/12 15:27	Prepared:	05/11/12 12:11	Analyzed:	05/22/12 18:35
Solids:		Preparation:	EXT_3510	Dilution:	10

Batch: 2E10005 Sequence: 2E14405 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	27.9	0.943	1.89	3.77	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.008000	42.4	30 - 140	

ANALYSIS DATA SHEET

GW0599

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-09	File ID:	015F1501.D
Sampled:	05/09/12 09:59	Prepared:	05/11/12 12:11	Analyzed:	05/14/12 19:29
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E10005 Sequence: 2E13606 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.900	0.0943	0.189	0.377	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01520	80.5	30 - 140	

ANALYSIS DATA SHEET

GW0600

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-11	File ID:	016F1601.D
Sampled:	05/09/12 09:59	Prepared:	05/11/12 12:11	Analyzed:	05/14/12 20:02
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E10005 Sequence: 2E13606 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.819	0.0943	0.189	0.377	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01430	75.8	30 - 140	

ANALYSIS DATA SHEET

GW0609

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-13	File ID:	017F1701.D
Sampled:	05/08/12 15:01	Prepared:	05/11/12 12:11	Analyzed:	05/14/12 20:36
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E10005 Sequence: 2E13606 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0943	0.189	0.377	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01267	67.1	30 - 140	

ANALYSIS DATA SHEET

GW0508

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-01RE1	File ID:	004F0401.D
Sampled:	05/09/12 15:58	Prepared:	05/14/12 14:30	Analyzed:	05/22/12 16:22
Solids:		Preparation:	EXT_3510	Dilution:	10

Batch: 2E14007 Sequence: 2E14405 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	18.8	0.943	1.89	3.77	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01843	97.7	30 - 140	

ANALYSIS DATA SHEET

GW0509

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-03	File ID:	019F1901.D
Sampled:	05/10/12 11:21	Prepared:	05/14/12 14:30	Analyzed:	05/18/12 00:21
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E14007 Sequence: 2E14217 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.720	0.0943	0.189	0.377	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01508	79.9	30 - 140	

ANALYSIS DATA SHEET

GW0513

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-05	File ID:	020F2001.D
Sampled:	05/09/12 15:48	Prepared:	05/14/12 14:30	Analyzed:	05/18/12 00:54
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E14007 Sequence: 2E14217 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	3.86	0.0935	0.187	0.374	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01869	0.01271	68.0	30 - 140	

ANALYSIS DATA SHEET

GW0583

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-07RE1	File ID:	005F0501.D
Sampled:	05/10/12 15:38	Prepared:	05/14/12 14:30	Analyzed:	05/22/12 16:55
Solids:		Preparation:	EXT_3510	Dilution:	25

Batch: 2E14007 Sequence: 2E14405 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	18.1	2.36	4.72	9.43	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.000		30 - 140	DU

ANALYSIS DATA SHEET

GW0584

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-09	File ID:	022F2201.D
Sampled:	05/10/12 11:10	Prepared:	05/14/12 14:30	Analyzed:	05/18/12 02:00
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E14007 Sequence: 2E14217 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0962	0.192	0.385	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.01324	68.9	30 - 140	

ANALYSIS DATA SHEET

GW8051-RB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-11	File ID:	023F2301.D
Sampled:	05/10/12 08:22	Prepared:	05/14/12 14:30	Analyzed:	05/18/12 02:33
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E14007 Sequence: 2E14217 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.214	0.0980	0.196	0.392	J

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.01442	73.5	30 - 140	

ANALYSIS DATA SHEET

GW0585

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205096-01	File ID:	028F2801.D
Sampled:	05/14/12 11:43	Prepared:	05/16/12 12:08	Analyzed:	05/18/12 05:18
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E16006 Sequence: 2E14217 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0962	0.192	0.385	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.01545	80.3	30 - 140	

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E10005	Laboratory ID:	2E10005-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Diesel Range Organics (C10-C28)	1.000	0.7472	74.7	50 - 150

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Diesel Range Organics (C10-C28)	1.000	0.8054	80.5	7.49	50	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E14007	Laboratory ID:	2E14007-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Diesel Range Organics (C10-C28)	1.000	0.6444	64.4	50 - 150

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Diesel Range Organics (C10-C28)	1.000	0.8208	82.1	24.1	50	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E16006	Laboratory ID:	2E16006-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Diesel Range Organics (C10-C28)	1.000	0.5337	53.4	50 - 150

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Diesel Range Organics (C10-C28)	1.000	0.6483	64.8	19.4	50	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2F08008	Laboratory ID:	2F08008-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Diesel Range Organics (C10-C28)	1.000	0.9607	96.1	50 - 150

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Diesel Range Organics (C10-C28)	1.000	0.8934	89.3	7.26	50	50 - 150

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 2E10005 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0517	1205054-01RE1	05/10/12 13:13	1,060.00	1.00
GW0518	1205054-03	05/10/12 13:13	1,020.00	1.00
GW0563	1205054-05RE1	05/10/12 13:13	1,070.00	1.00
GW0564	1205054-07	05/10/12 13:13	1,070.00	1.00
GW0565	1205054-09	05/10/12 13:13	1,070.00	1.00
GW0587	1205054-11RE1	05/10/12 13:13	1,060.00	1.00
GW0588	1205054-13	05/10/12 13:13	1,020.00	1.00
GW0589	1205054-15	05/10/12 13:13	1,080.00	1.00
GW0610	1205054-17	05/10/12 13:13	1,020.00	1.00
GW0611	1205054-19	05/10/12 13:13	1,020.00	1.00
GW0612	1205054-21	05/10/12 13:13	1,040.00	1.00
GW8050-RB	1205054-23	05/10/12 13:13	1,060.00	1.00
GW0570	1205070-05RE1	05/11/12 12:11	1,040.00	1.00
GW0586	1205070-07RE1	05/11/12 12:11	1,060.00	1.00
GW0599	1205070-09	05/11/12 12:11	1,060.00	1.00
GW0600	1205070-11	05/11/12 12:11	1,060.00	1.00
GW0609	1205070-13	05/11/12 12:11	1,060.00	1.00
Blank	2E10005-BLK1	05/10/12 13:13	1,000.00	1.00
LCS	2E10005-BS1	05/10/12 13:13	1,000.00	1.00
LCS Dup	2E10005-BSD1	05/10/12 13:13	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 2E14007 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0508	1205080-01RE1	05/14/12 14:30	1,060.00	1.00
GW0509	1205080-03	05/14/12 14:30	1,060.00	1.00
GW0513	1205080-05	05/14/12 14:30	1,070.00	1.00
GW0583	1205080-07RE1	05/14/12 14:30	1,060.00	1.00
GW0584	1205080-09	05/14/12 14:30	1,040.00	1.00
GW8051-RB	1205080-11	05/14/12 14:30	1,020.00	1.00
Blank	2E14007-BLK1	05/14/12 14:30	1,000.00	1.00
LCS	2E14007-BS1	05/14/12 14:30	1,000.00	1.00
LCS Dup	2E14007-BSD1	05/14/12 14:30	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 2E16006 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0585	1205096-01	05/16/12 12:08	1,040.00	1.00
Blank	2E16006-BLK1	05/16/12 12:08	1,000.00	1.00
LCS	2E16006-BS1	05/16/12 12:08	1,000.00	1.00
LCS Dup	2E16006-BSD1	05/16/12 12:08	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 2F08008 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0511	1205070-01RE1	06/08/12 13:23	1,060.00	1.00
GW0512	1205070-03RE2	06/08/12 13:23	1,040.00	1.00
Blank	2F08008-BLK1	06/08/12 13:24	1,000.00	1.00
LCS	2F08008-BS1	06/08/12 13:24	1,000.00	1.00
LCS Dup	2F08008-BSD1	06/08/12 13:24	1,000.00	1.00

INITIAL CALIBRATION STANDARDS

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10208	Instrument:	GL-GCFID2
Calibration:	2102003		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
12C0716	DRO ICAL1@5000ppm	2D10208-CAL1	003F0301.D	04/09/12 14:48
12C0715	DRO ICAL2@2500ppm	2D10208-CAL2	004F0401.D	04/09/12 15:22
12C0714	DRO ICAL3@1000ppm	2D10208-CAL3	005F0501.D	04/09/12 15:55
12C0713	DRO ICAL4@500ppm	2D10208-CAL4	006F0601.D	04/09/12 16:29
12C0712	DRO ICAL5@250ppm	2D10208-CAL5	007F0701.D	04/09/12 17:02
12C0710	DRO ICAL6@100ppm	2D10208-CAL6	008F0801.D	04/09/12 17:35

INITIAL CALIBRATION STANDARDS

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2F16704	Instrument:	GL-GCFID2
Calibration:	2167001		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
12F0241	DRO ICAL6@100ppm	2F16704-CAL6	003F0301.D	06/14/12 15:58
12F0242	DRO ICAL5@250ppm	2F16704-CAL5	004F0401.D	06/14/12 16:31
12F0243	DRO ICAL4@500ppm	2F16704-CAL4	005F0501.D	06/14/12 17:05
12F0211	DRO ICAL3@1000ppm	2F16704-CAL3	006F0601.D	06/14/12 17:38
12F0244	DRO ICAL2@2500ppm	2F16704-CAL2	007F0701.D	06/14/12 18:12
12F0245	DRO ICAL1@5000ppm	2F16704-CAL1	008F0801.D	06/14/12 18:45

INITIAL CALIBRATION DATA

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2102003	Instrument:	GL-GCFID2	
Matrix:	Water	Calibration Dates:	4/9/12_14:48	4/9/12_17:35

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF
Diesel Range Organics (C10-C28)	5000	1348.094	2500	1086.088	1000	1405.672	500	1051.374	250	938.532	100	814.42
o-Terphenyl	250	1395.896	125	1395.864	50	1861	25	1461.76	12.5	1416.8	5	1426.8

INITIAL CALIBRATION DATA (Continued)

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2102003	Instrument:	GL-GCFID2	
Matrix:	Water	Calibration Dates:	4/9/12 14:48	4/9/12 17:35

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Diesel Range Organics (C10-C28)	1107.363	20.78366	6.263	1.742195E-02		0.9946033	0.99	
o-Terphenyl	1493.02	12.18393	11.32233	0.13649			20	

INITIAL CALIBRATION DATA

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2167001	Instrument:	GL-GCFID2	
Matrix:	Water	Calibration Dates:	6/14/12_15:58	6/14/12_18:45

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF
Diesel Range Organics (C10-C28)	5000	1367.569	2500	1083.069	1000	1063.793	500	904.268	250	803.52	100	702.65
o-Terphenyl	250	1384.604	125	1340.696	50	1374.68	25	1267.64	12.5	1230.64	5	1242.6

INITIAL CALIBRATION DATA (Continued)

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2167001	Instrument:	GL-GCFID2	
Matrix:	Water	Calibration Dates:	6/14/12 15:58	6/14/12 18:45

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Diesel Range Organics (C10-C28)	987.4782	24.02091	6.103	2.232255E-02		0.9996958	0.99	
o-Terphenyl	1306.81	5.219869	11.2025	0.1463542			20	

INITIAL CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2102003
Lab File ID:	009F0901.D	Calibration Date:	04/09/12 12:43
Sequence:	2D10208	Injection Date:	04/09/12
Lab Sample ID:	2D10208-ICV1	Injection Time:	18:09

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	879.0	1107.363	973.839		-12.1	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2167001
Lab File ID:	009F0901.D	Calibration Date:	06/14/12 11:15
Sequence:	2F16704	Injection Date:	06/14/12
Lab Sample ID:	2F16704-ICV1	Injection Time:	19:18

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	1086	987.4782	1088.835		8.6	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2102003
Lab File ID:	003F0301.D	Calibration Date:	04/09/12 12:43
Sequence:	2E13506	Injection Date:	05/10/12
Lab Sample ID:	2E13506-CCV1	Injection Time:	20:16

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	1067	1107.363	1186.392		6.7	20
o-Terphenyl	A	50.00	50.09	1493.02	1495.76		0.2	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2102003
Lab File ID:	017F1701.D	Calibration Date:	04/09/12 12:43
Sequence:	2E13506	Injection Date:	05/11/12
Lab Sample ID:	2E13506-CCV2	Injection Time:	04:01

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	1070	1107.363	1189.514		7.0	20
o-Terphenyl	A	50.00	53.56	1493.02	1599.44		7.1	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2102003
Lab File ID:	020F2001.D	Calibration Date:	04/09/12 12:43
Sequence:	2E13506	Injection Date:	05/11/12
Lab Sample ID:	2E13506-CCV3	Injection Time:	05:40

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	1010	1107.363	1121.548		1.0	20
o-Terphenyl	A	50.00	49.55	1493.02	1479.52		-0.9	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2102003
Lab File ID:	010F1001.D	Calibration Date:	04/09/12 12:43
Sequence:	2E13606	Injection Date:	05/14/12
Lab Sample ID:	2E13606-CCV1	Injection Time:	16:43

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	889.0	1107.363	985.083		-11.1	20
o-Terphenyl	A	50.00	42.55	1493.02	1270.66		-14.9	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2102003
Lab File ID:	021F2101.D	Calibration Date:	04/09/12 12:43
Sequence:	2E13606	Injection Date:	05/14/12
Lab Sample ID:	2E13606-CCV2	Injection Time:	22:48

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	1103	1107.363	1227.583		10.3	20
o-Terphenyl	A	50.00	54.93	1493.02	1640.26		9.9	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2102003
Lab File ID:	014F1401.D	Calibration Date:	04/09/12 12:43
Sequence:	2E14217	Injection Date:	05/17/12
Lab Sample ID:	2E14217-CCV1	Injection Time:	21:35

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	869.5	1107.363	963.153		-13.0	20
o-Terphenyl	A	50.00	40.92	1493.02	1221.86		-18.2	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2102003
Lab File ID:	029F2901.D	Calibration Date:	04/09/12 12:43
Sequence:	2E14217	Injection Date:	05/18/12
Lab Sample ID:	2E14217-CCV2	Injection Time:	05:51

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	952.0	1107.363	1056.022		-4.8	20
o-Terphenyl	A	50.00	46.72	1493.02	1395.18		-6.6	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2102003
Lab File ID:	003F0301.D	Calibration Date:	04/09/12 12:43
Sequence:	2E14405	Injection Date:	05/22/12
Lab Sample ID:	2E14405-CCV1	Injection Time:	15:48

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	828.1	1107.363	916.796		-17.2	20
o-Terphenyl	A	50.00	40.24	1493.02	1201.72		-19.5	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2102003
Lab File ID:	015F1501.D	Calibration Date:	04/09/12 12:43
Sequence:	2E14405	Injection Date:	05/22/12
Lab Sample ID:	2E14405-CCV2	Injection Time:	22:28

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	852.0	1107.363	943.539		-14.8	20
o-Terphenyl	A	50.00	42.53	1493.02	1269.86		-14.9	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2167001
Lab File ID:	010F1001.D	Calibration Date:	06/14/12 11:15
Sequence:	2F16708	Injection Date:	06/14/12
Lab Sample ID:	2F16708-CCV1	Injection Time:	19:51

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	1031	987.4782	1029.023		3.1	20
o-Terphenyl	A	50.00	50.53	1306.81	1320.7		1.1	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2167001
Lab File ID:	016F1601.D	Calibration Date:	06/14/12 11:15
Sequence:	2F16708	Injection Date:	06/14/12
Lab Sample ID:	2F16708-CCV2	Injection Time:	23:10

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	1055	987.4782	1055.09		5.5	20
o-Terphenyl	A	50.00	51.64	1306.81	1349.82		3.3	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13506	Instrument:	GL-GCFID2
		Calibration:	2102003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2E13506-CCV1) mg/L				Lab File ID: 003F0301.D		Analyzed: 05/10/12 20:16		
o-Terphenyl	50.00	100	80 - 120	11.22	11.22	0.0000	+/-0.050	
Blank (2E10005-BLK1) mg/L				Lab File ID: 004F0401.D		Analyzed: 05/10/12 20:50		
o-Terphenyl	0.02000	80.8	30 - 140	11.216	11.22	-0.0040	+/-0.050	
LCS (2E10005-BS1) mg/L				Lab File ID: 005F0501.D		Analyzed: 05/10/12 21:23		
o-Terphenyl	0.02000	78.0	30 - 140	11.206	11.22	-0.0140	+/-0.050	
LCS Dup (2E10005-BSD1) mg/L				Lab File ID: 006F0601.D		Analyzed: 05/10/12 21:56		
o-Terphenyl	0.02000	85.7	30 - 140	11.22	11.22	0.0000	+/-0.050	
GW0518 (1205054-03) mg/L				Lab File ID: 008F0801.D		Analyzed: 05/10/12 23:02		
o-Terphenyl	0.01961	79.1	30 - 140	11.21	11.22	-0.0100	+/-0.050	
GW0564 (1205054-07) mg/L				Lab File ID: 010F1001.D		Analyzed: 05/11/12 00:09		
o-Terphenyl	0.01869	82.9	30 - 140	11.206	11.22	-0.0140	+/-0.050	
GW0565 (1205054-09) mg/L				Lab File ID: 011F1101.D		Analyzed: 05/11/12 00:42		
o-Terphenyl	0.01869	85.4	30 - 140	11.203	11.22	-0.0170	+/-0.050	
GW0588 (1205054-13) mg/L				Lab File ID: 013F1301.D		Analyzed: 05/11/12 01:48		
o-Terphenyl	0.01961	84.6	30 - 140	11.213	11.22	-0.0070	+/-0.050	
GW0589 (1205054-15) mg/L				Lab File ID: 014F1401.D		Analyzed: 05/11/12 02:21		
o-Terphenyl	0.01852	76.1	30 - 140	11.203	11.22	-0.0170	+/-0.050	
GW0610 (1205054-17) mg/L				Lab File ID: 015F1501.D		Analyzed: 05/11/12 02:54		
o-Terphenyl	0.01961	115	30 - 140	11.203	11.22	-0.0170	+/-0.050	
GW0611 (1205054-19) mg/L				Lab File ID: 016F1601.D		Analyzed: 05/11/12 03:27		
o-Terphenyl	0.01961	111	30 - 140	11.206	11.22	-0.0140	+/-0.050	
Calibration Check (2E13506-CCV2) mg/L				Lab File ID: 017F1701.D		Analyzed: 05/11/12 04:01		
o-Terphenyl	50.00	107	80 - 120	11.213	11.22	-0.0070	+/-0.050	
GW0612 (1205054-21) mg/L				Lab File ID: 018F1801.D		Analyzed: 05/11/12 04:34		
o-Terphenyl	0.01923	95.8	30 - 140	11.216	11.22	-0.0040	+/-0.050	
GW8050-RB (1205054-23) mg/L				Lab File ID: 019F1901.D		Analyzed: 05/11/12 05:07		
o-Terphenyl	0.01887	111	30 - 140	11.22	11.22	0.0000	+/-0.050	
Calibration Check (2E13506-CCV3) mg/L				Lab File ID: 020F2001.D		Analyzed: 05/11/12 05:40		
o-Terphenyl	50.00	99.1	80 - 120	11.216	11.22	-0.0040	+/-0.050	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13606	Instrument:	GL-GCFID2
		Calibration:	2102003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2E13606-CCV1) mg/L				Lab File ID: 010F1001.D		Analyzed: 05/14/12 16:43		
o-Terphenyl	50.00	85.1	80 - 120	11.266	11.266	0.0000	+/-0.050	
GW0599 (1205070-09) mg/L				Lab File ID: 015F1501.D		Analyzed: 05/14/12 19:29		
o-Terphenyl	0.01887	80.5	30 - 140	11.22	11.266	-0.0460	+/-0.050	
GW0600 (1205070-11) mg/L				Lab File ID: 016F1601.D		Analyzed: 05/14/12 20:02		
o-Terphenyl	0.01887	75.8	30 - 140	11.236	11.266	-0.0300	+/-0.050	
GW0609 (1205070-13) mg/L				Lab File ID: 017F1701.D		Analyzed: 05/14/12 20:36		
o-Terphenyl	0.01887	67.1	30 - 140	11.223	11.266	-0.0430	+/-0.050	
GW0517 (1205054-01RE1) mg/L				Lab File ID: 018F1801.D		Analyzed: 05/14/12 21:09		
o-Terphenyl	0.01887	94.4	30 - 140	11.216	11.266	-0.0500	+/-0.050	
GW0563 (1205054-05RE1) mg/L				Lab File ID: 019F1901.D		Analyzed: 05/14/12 21:42		
o-Terphenyl	0.01869	115	30 - 140	11.21	11.266	-0.0560	+/-0.050	*
GW0587 (1205054-11RE1) mg/L				Lab File ID: 020F2001.D		Analyzed: 05/14/12 22:15		
o-Terphenyl	0.01887	76.1	30 - 140	11.233	11.266	-0.0330	+/-0.050	
Calibration Check (2E13606-CCV2) mg/L				Lab File ID: 021F2101.D		Analyzed: 05/14/12 22:48		
o-Terphenyl	50.00	110	80 - 120	11.223	11.266	-0.0430	+/-0.050	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E14217	Instrument:	GL-GCFID2
		Calibration:	2102003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2E14217-CCV1) mg/L				Lab File ID: 014F1401.D		Analyzed: 05/17/12 21:35		
o-Terphenyl	50.00	81.8	80 - 120	11.27	11.27	0.0000	+/-0.050	
Blank (2E14007-BLK1) mg/L				Lab File ID: 015F1501.D		Analyzed: 05/17/12 22:08		
o-Terphenyl	0.02000	79.9	30 - 140	11.266	11.27	-0.0040	+/-0.050	
LCS (2E14007-BS1) mg/L				Lab File ID: 016F1601.D		Analyzed: 05/17/12 22:42		
o-Terphenyl	0.02000	64.5	30 - 140	11.263	11.27	-0.0070	+/-0.050	
LCS Dup (2E14007-BSD1) mg/L				Lab File ID: 017F1701.D		Analyzed: 05/17/12 23:15		
o-Terphenyl	0.02000	82.0	30 - 140	11.256	11.27	-0.0140	+/-0.050	
GW0509 (1205080-03) mg/L				Lab File ID: 019F1901.D		Analyzed: 05/18/12 00:21		
o-Terphenyl	0.01887	79.9	30 - 140	11.25	11.27	-0.0200	+/-0.050	
GW0513 (1205080-05) mg/L				Lab File ID: 020F2001.D		Analyzed: 05/18/12 00:54		
o-Terphenyl	0.01869	68.0	30 - 140	11.283	11.27	0.0130	+/-0.050	
GW0584 (1205080-09) mg/L				Lab File ID: 022F2201.D		Analyzed: 05/18/12 02:00		
o-Terphenyl	0.01923	68.9	30 - 140	11.26	11.27	-0.0100	+/-0.050	
GW8051-RB (1205080-11) mg/L				Lab File ID: 023F2301.D		Analyzed: 05/18/12 02:33		
o-Terphenyl	0.01961	73.5	30 - 140	11.25	11.27	-0.0200	+/-0.050	
Blank (2E16006-BLK1) mg/L				Lab File ID: 024F2401.D		Analyzed: 05/18/12 03:06		
o-Terphenyl	0.02000	69.8	30 - 140	11.256	11.27	-0.0140	+/-0.050	
LCS (2E16006-BS1) mg/L				Lab File ID: 025F2501.D		Analyzed: 05/18/12 03:39		
o-Terphenyl	0.02000	67.4	30 - 140	11.253	11.27	-0.0170	+/-0.050	
LCS Dup (2E16006-BSD1) mg/L				Lab File ID: 026F2601.D		Analyzed: 05/18/12 04:12		
o-Terphenyl	0.02000	85.4	30 - 140	11.253	11.27	-0.0170	+/-0.050	
GW0585 (1205096-01) mg/L				Lab File ID: 028F2801.D		Analyzed: 05/18/12 05:18		
o-Terphenyl	0.01923	80.3	30 - 140	11.253	11.27	-0.0170	+/-0.050	
Calibration Check (2E14217-CCV2) mg/L				Lab File ID: 029F2901.D		Analyzed: 05/18/12 05:51		
o-Terphenyl	50.00	93.4	80 - 120	11.263	11.27	-0.0070	+/-0.050	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E14405	Instrument:	GL-GCFID2
		Calibration:	2102003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2E14405-CCV1) mg/L				Lab File ID: 003F0301.D		Analyzed: 05/22/12 15:48		
o-Terphenyl	50.00	80.5	80 - 120	11.313	11.313	0.0000	+/-0.050	
GW0508 (1205080-01RE1) mg/L				Lab File ID: 004F0401.D		Analyzed: 05/22/12 16:22		
o-Terphenyl	0.01887	97.7	30 - 140	11.28	11.313	-0.0330	+/-0.050	
GW0583 (1205080-07RE1) mg/L				Lab File ID: 005F0501.D		Analyzed: 05/22/12 16:55		
o-Terphenyl	0.01887		30 - 140		11.313	-11.3130	+/-0.050	*
GW0570 (1205070-05RE1) mg/L				Lab File ID: 007F0701.D		Analyzed: 05/22/12 18:01		
o-Terphenyl	0.01923	95.0	30 - 140	11.29	11.313	-0.0230	+/-0.050	
GW0586 (1205070-07RE1) mg/L				Lab File ID: 008F0801.D		Analyzed: 05/22/12 18:35		
o-Terphenyl	0.01887	42.4	30 - 140	11.326	11.313	0.0130	+/-0.050	
Calibration Check (2E14405-CCV2) mg/L				Lab File ID: 015F1501.D		Analyzed: 05/22/12 22:28		
o-Terphenyl	50.00	85.1	80 - 120	11.256	11.313	-0.0570	+/-0.050	*

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2F16708	Instrument:	GL-GCFID2
		Calibration:	2167001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2F16708-CCV1) mg/L				Lab File ID: 010F1001.D		Analyzed: 06/14/12 19:51		
o-Terphenyl	50.00	101	80 - 120	11.176	11.176	0.0000	+/-0.050	
Blank (2F08008-BLK1) mg/L				Lab File ID: 011F1101.D		Analyzed: 06/14/12 20:24		
o-Terphenyl	0.02000	80.7	30 - 140	11.173	11.176	-0.0030	+/-0.050	
LCS (2F08008-BS1) mg/L				Lab File ID: 012F1201.D		Analyzed: 06/14/12 20:58		
o-Terphenyl	0.02000	87.5	30 - 140	11.18	11.176	0.0040	+/-0.050	
LCS Dup (2F08008-BSD1) mg/L				Lab File ID: 013F1301.D		Analyzed: 06/14/12 21:31		
o-Terphenyl	0.02000	87.4	30 - 140	11.16	11.176	-0.0160	+/-0.050	
GW0511 (1205070-01RE1) mg/L				Lab File ID: 014F1401.D		Analyzed: 06/14/12 22:04		
o-Terphenyl	0.01887	93.6	30 - 140	11.17	11.176	-0.0060	+/-0.050	
GW0512 (1205070-03RE2) mg/L				Lab File ID: 015F1501.D		Analyzed: 06/14/12 22:37		
o-Terphenyl	0.01923	102	30 - 140	11.16	11.176	-0.0160	+/-0.050	
Calibration Check (2F16708-CCV2) mg/L				Lab File ID: 016F1601.D		Analyzed: 06/14/12 23:10		
o-Terphenyl	50.00	103	80 - 120	11.18	11.176	0.0040	+/-0.050	

HOLDING TIME SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
GW0517	05/07/12 15:44	05/09/12 08:20	05/10/12 13:13	2.85	7.00	05/14/12 21:09	4.33	40.00	
GW0518	05/07/12 11:59	05/09/12 08:20	05/10/12 13:13	3.01	7.00	05/10/12 23:02	0.41	40.00	
GW0563	05/07/12 15:51	05/09/12 08:20	05/10/12 13:13	2.85	7.00	05/14/12 21:42	4.35	40.00	
GW0564	05/07/12 13:24	05/09/12 08:20	05/10/12 13:13	2.95	7.00	05/11/12 00:09	0.46	40.00	
GW0565	05/07/12 11:09	05/09/12 08:20	05/10/12 13:13	3.04	7.00	05/11/12 00:42	0.48	40.00	
GW0587	05/08/12 13:28	05/09/12 08:20	05/10/12 13:13	1.95	7.00	05/14/12 22:15	4.38	40.00	
GW0588	05/08/12 11:03	05/09/12 08:20	05/10/12 13:13	2.05	7.00	05/11/12 01:48	0.52	40.00	
GW0589	05/08/12 11:03	05/09/12 08:20	05/10/12 13:13	2.05	7.00	05/11/12 02:21	0.55	40.00	
GW0610	05/08/12 12:45	05/09/12 08:20	05/10/12 13:13	1.98	7.00	05/11/12 02:54	0.57	40.00	
GW0611	05/08/12 12:45	05/09/12 08:20	05/10/12 13:13	1.98	7.00	05/11/12 03:27	0.59	40.00	
GW0612	05/08/12 10:31	05/09/12 08:20	05/10/12 13:13	2.07	7.00	05/11/12 04:34	0.64	40.00	
GW8050-RB	05/07/12 08:40	05/09/12 08:20	05/10/12 13:13	3.15	7.00	05/11/12 05:07	0.66	40.00	
GW0511	05/09/12 11:13	05/10/12 08:20	06/08/12 13:23	30.05	7.00	06/14/12 22:04	6.36	40.00	*
GW0512	05/09/12 11:13	05/10/12 08:20	06/08/12 13:23	30.05	7.00	06/14/12 22:37	6.38	40.00	*
GW0570	05/09/12 13:09	05/10/12 08:20	05/11/12 12:11	1.92	7.00	05/22/12 18:01	11.24	40.00	
GW0586	05/08/12 15:27	05/10/12 08:20	05/11/12 12:11	2.82	7.00	05/22/12 18:35	11.27	40.00	
GW0599	05/09/12 09:59	05/10/12 08:20	05/11/12 12:11	2.05	7.00	05/14/12 19:29	3.30	40.00	
GW0600	05/09/12 09:59	05/10/12 08:20	05/11/12 12:11	2.05	7.00	05/14/12 20:02	3.33	40.00	
GW0609	05/08/12 15:01	05/10/12 08:20	05/11/12 12:11	2.84	7.00	05/14/12 20:36	3.35	40.00	
GW0508	05/09/12 15:58	05/11/12 08:20	05/14/12 14:30	4.90	7.00	05/22/12 16:22	8.08	40.00	
GW0509	05/10/12 11:21	05/11/12 08:20	05/14/12 14:30	4.09	7.00	05/18/12 00:21	3.41	40.00	
GW0513	05/09/12 15:48	05/11/12 08:20	05/14/12 14:30	4.90	7.00	05/18/12 00:54	3.43	40.00	
GW0583	05/10/12 15:38	05/11/12 08:20	05/14/12 14:30	3.91	7.00	05/22/12 16:55	8.10	40.00	
GW0584	05/10/12 11:10	05/11/12 08:20	05/14/12 14:30	4.10	7.00	05/18/12 02:00	3.48	40.00	

HOLDING TIME SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
GW8051-RB	05/10/12 08:22	05/11/12 08:20	05/14/12 14:30	4.21	7.00	05/18/12 02:33	3.50	40.00	
GW0585	05/14/12 11:43	05/15/12 08:30	05/16/12 12:08	1.98	7.00	05/18/12 05:18	1.72	40.00	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2E10005-BLK1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	05/10/12 20:50
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2E10005	Sequence:	2E13506	Calibration:	2102003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.200	0.400	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01616	80.8	30 - 140	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2E10005-BS1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	05/10/12 21:23
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2E10005	Sequence:	2E13506	Calibration:	2102003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.7472	0.100	0.200	0.400	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01561	78.0	30 - 140	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2E10005-BSD1	File ID:	006F0601.D
Sampled:		Prepared:		Analyzed:	05/10/12 21:56
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2E10005	Sequence:	2E13506	Calibration:	2102003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.8054	0.100	0.200	0.400	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01714	85.7	30 - 140	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2E14007-BLK1	File ID:	015F1501.D
Sampled:		Prepared:		Analyzed:	05/17/12 22:08
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2E14007	Sequence:	2E14217	Calibration:	2102003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.200	0.400	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01598	79.9	30 - 140	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2E14007-BS1	File ID:	016F1601.D
Sampled:		Prepared:		Analyzed:	05/17/12 22:42
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2E14007	Sequence:	2E14217	Calibration:	2102003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.6444	0.100	0.200	0.400	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01289	64.5	30 - 140	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2E14007-BSD1	File ID:	017F1701.D
Sampled:		Prepared:		Analyzed:	05/17/12 23:15
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2E14007	Sequence:	2E14217	Calibration:	2102003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.8208	0.100	0.200	0.400	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01641	82.0	30 - 140	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2E16006-BLK1	File ID:	024F2401.D
Sampled:		Prepared:		Analyzed:	05/18/12 03:06
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2E16006	Sequence:	2E14217	Calibration:	2102003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.200	0.400	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01397	69.8	30 - 140	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2E16006-BS1	File ID:	025F2501.D
Sampled:		Prepared:		Analyzed:	05/18/12 03:39
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2E16006	Sequence:	2E14217	Calibration:	2102003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.5337	0.100	0.200	0.400	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01349	67.4	30 - 140	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2E16006-BSD1	File ID:	026F2601.D
Sampled:		Prepared:		Analyzed:	05/18/12 04:12
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2E16006	Sequence:	2E14217	Calibration:	2102003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.6483	0.100	0.200	0.400	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01709	85.4	30 - 140	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2F08008-BLK1	File ID:	011F1101.D
Sampled:		Prepared:		Analyzed:	06/14/12 20:24
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2F08008	Sequence:	2F16708	Calibration:	2167001	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.200	0.400	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01614	80.7	30 - 140	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2F08008-BS1	File ID:	012F1201.D
Sampled:		Prepared:		Analyzed:	06/14/12 20:58
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2F08008	Sequence:	2F16708	Calibration:	2167001	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.9607	0.100	0.200	0.400	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01750	87.5	30 - 140	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2F08008-BSD1	File ID:	013F1301.D
Sampled:		Prepared:		Analyzed:	06/14/12 21:31
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2F08008	Sequence:	2F16708	Calibration:	2167001	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.8934	0.100	0.200	0.400	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01747	87.4	30 - 140	

SW8015B (GRO)
Forms

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E14209	Instrument:	GL-GCVOA2
Calibration:	2142002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2E14209-CAL1	003F0301.D	05/17/12 16:03
Cal Standard	2E14209-CAL2	004F0401.D	05/17/12 16:41
Cal Standard	2E14209-CAL3	005F0501.D	05/17/12 17:21
Cal Standard	2E14209-CAL4	006F0601.D	05/17/12 18:00
Cal Standard	2E14209-CAL5	007F0701.D	05/17/12 18:39
Cal Standard	2E14209-CAL6	008F0801.D	05/17/12 19:19
Initial Cal Check	2E14209-ICV1	011F11A1.D	05/17/12 21:18

ANALYSIS SEQUENCE SUMMARY
SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E14210	Instrument:	GL-GCVOA2
Calibration:	2142002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2E14210-CCV1	010F1001.D	05/17/12 20:38
LCS	2E17002-BS1	011F1101.D	05/17/12 21:18
LCS Dup	2E17002-BSD1	012F1201.D	05/17/12 21:57
Blank	2E17002-BLK1	013F1301.D	05/17/12 22:36
GW0517	1205054-01	014F1401.D	05/17/12 23:16
GW0518	1205054-03	015F1501.D	05/17/12 23:55
GW0563	1205054-05	016F1601.D	05/18/12 00:35
GW0564	1205054-07	017F1701.D	05/18/12 01:14
GW0565	1205054-09	018F1801.D	05/18/12 01:53
GW0587	1205054-11	019F1901.D	05/18/12 02:33
GW0588	1205054-13	020F2001.D	05/18/12 03:12
GW0589	1205054-15	021F2101.D	05/18/12 03:51
GW0610	1205054-17	022F2201.D	05/18/12 04:30
GW0611	1205054-19	023F2301.D	05/18/12 05:09
Calibration Check	2E14210-CCV2	024F2401.D	05/18/12 05:48
GW0612	1205054-21	025F2501.D	05/18/12 06:27
GW8050-RB	1205054-23	026F2601.D	05/18/12 07:07
GW0511	1205070-01	027F2701.D	05/18/12 07:47
GW0570	1205070-05	029F2901.D	05/18/12 09:08
GW0586	1205070-07	030F3001.D	05/18/12 09:48
GW0599	1205070-09	031F3101.D	05/18/12 10:27
GW0600	1205070-11	032F3201.D	05/18/12 11:06
GW0609	1205070-13	033F3301.D	05/18/12 11:44
Calibration Check	2E14210-CCV3	035F3501.D	05/18/12 13:01
LCS	2E17003-BS1	036F3601.D	05/18/12 13:39
LCS Dup	2E17003-BSD1	037F3701.D	05/18/12 14:17
Blank	2E17003-BLK1	038F3801.D	05/18/12 14:56
GW0508	1205080-01	039F3901.D	05/18/12 15:35
GW0509	1205080-03	040F4001.D	05/18/12 16:13
GW0513	1205080-05	041F4101.D	05/18/12 16:51
GW0583	1205080-07	042F4201.D	05/18/12 17:29
GW0584	1205080-09	043F4301.D	05/18/12 18:07

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E14210	Instrument:	GL-GCVOA2
Calibration:	2142002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
GW8051-RB	1205080-11	044F4401.D	05/18/12 18:45
GW0585	1205096-01	045F4501.D	05/18/12 19:23
Calibration Check	2E14210-CCV4	046F4601.D	05/18/12 20:01

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E14509	Instrument:	GL-GCVOA2
Calibration:	2142002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2E14509-CCV1	003F0301.D	05/23/12 16:34
LCS	2E23019-BS1	004F0401.D	05/23/12 17:12
LCS Dup	2E23019-BSD1	005F0501.D	05/23/12 17:50
Blank	2E23019-BLK1	006F0601.D	05/23/12 18:27
GW0512	1205070-03RE1	007F0701.D	05/23/12 19:05
Calibration Check	2E14509-CCV2	010F1001.D	05/23/12 20:59

ANALYSIS DATA SHEET

GW0517

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-01	File ID:	014F1401.D
Sampled:	05/07/12 15:44	Prepared:	05/17/12 06:25	Analyzed:	05/17/12 23:16
Solids:		Preparation:	8015GRO	Dilution:	25

Batch: 2E17002 Sequence: 2E14210 Calibration: 2142002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	43.9	1.25	2.50	3.75	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05328	107	50 - 150	

ANALYSIS DATA SHEET

GW0518

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-03	File ID:	015F1501.D
Sampled:	05/07/12 11:59	Prepared:	05/17/12 06:25	Analyzed:	05/17/12 23:55
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E17002 Sequence: 2E14210 Calibration: 2142002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05384	108	50 - 150	

ANALYSIS DATA SHEET

GW0563

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-05	File ID:	016F1601.D
Sampled:	05/07/12 15:51	Prepared:	05/17/12 06:25	Analyzed:	05/18/12 00:35
Solids:		Preparation:	8015GRO	Dilution:	25

Batch: 2E17002 Sequence: 2E14210 Calibration: 2142002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	31.9	1.25	2.50	3.75	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05161	103	50 - 150	

ANALYSIS DATA SHEET

GW0564

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-07	File ID:	017F1701.D
Sampled:	05/07/12 13:24	Prepared:	05/17/12 06:25	Analyzed:	05/18/12 01:14
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E17002 Sequence: 2E14210 Calibration: 2142002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05248	105	50 - 150	

ANALYSIS DATA SHEET

GW0565

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-09	File ID:	018F1801.D
Sampled:	05/07/12 11:09	Prepared:	05/17/12 06:25	Analyzed:	05/18/12 01:53
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E17002 Sequence: 2E14210 Calibration: 2142002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05055	101	50 - 150	

ANALYSIS DATA SHEET

GW0587

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-11	File ID:	019F1901.D
Sampled:	05/08/12 13:28	Prepared:	05/17/12 06:25	Analyzed:	05/18/12 02:33
Solids:		Preparation:	8015GRO	Dilution:	25

Batch: 2E17002 Sequence: 2E14210 Calibration: 2142002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	12.7	1.25	2.50	3.75	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05113	102	50 - 150	

ANALYSIS DATA SHEET

GW0588

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-13	File ID:	020F2001.D
Sampled:	05/08/12 11:03	Prepared:	05/17/12 06:25	Analyzed:	05/18/12 03:12
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E17002 Sequence: 2E14210 Calibration: 2142002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05234	105	50 - 150	

ANALYSIS DATA SHEET

GW0589

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-15	File ID:	021F2101.D
Sampled:	05/08/12 11:03	Prepared:	05/17/12 06:25	Analyzed:	05/18/12 03:51
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E17002 Sequence: 2E14210 Calibration: 2142002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05178	104	50 - 150	

ANALYSIS DATA SHEET

GW0610

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-17	File ID:	022F2201.D
Sampled:	05/08/12 12:45	Prepared:	05/17/12 06:25	Analyzed:	05/18/12 04:30
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E17002 Sequence: 2E14210 Calibration: 2142002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05148	103	50 - 150	

ANALYSIS DATA SHEET

GW0611

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-19	File ID:	023F2301.D
Sampled:	05/08/12 12:45	Prepared:	05/17/12 06:25	Analyzed:	05/18/12 05:09
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E17002 Sequence: 2E14210 Calibration: 2142002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05019	100	50 - 150	

ANALYSIS DATA SHEET

GW0612

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-21	File ID:	025F2501.D
Sampled:	05/08/12 10:31	Prepared:	05/17/12 06:25	Analyzed:	05/18/12 06:27
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E17002 Sequence: 2E14210 Calibration: 2142002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05088	102	50 - 150	

ANALYSIS DATA SHEET

GW8050-RB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-23	File ID:	026F2601.D
Sampled:	05/07/12 08:40	Prepared:	05/17/12 06:25	Analyzed:	05/18/12 07:07
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E17002 Sequence: 2E14210 Calibration: 2142002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05151	103	50 - 150	

ANALYSIS DATA SHEET

GW0511

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-01	File ID:	027F2701.D
Sampled:	05/09/12 11:13	Prepared:	05/17/12 06:25	Analyzed:	05/18/12 07:47
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E17002 Sequence: 2E14210 Calibration: 2142002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	4.96	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05868	117	50 - 150	

ANALYSIS DATA SHEET

GW0512

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-03RE1	File ID:	007F0701.D
Sampled:	05/09/12 11:13	Prepared:	05/17/12 06:25	Analyzed:	05/23/12 19:05
Solids:		Preparation:	8015GRO	Dilution:	2

Batch: 2E23019 Sequence: 2E14509 Calibration: 2142002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	4.22	0.100	0.200	0.300	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04800	96.0	50 - 150	

ANALYSIS DATA SHEET

GW0570

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-05	File ID:	029F2901.D
Sampled:	05/09/12 13:09	Prepared:	05/17/12 06:25	Analyzed:	05/18/12 09:08
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E17002 Sequence: 2E14210 Calibration: 2142002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	1.70	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05492	110	50 - 150	

ANALYSIS DATA SHEET

GW0586

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-07	File ID:	030F3001.D
Sampled:	05/08/12 15:27	Prepared:	05/17/12 06:25	Analyzed:	05/18/12 09:48
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E17002 Sequence: 2E14210 Calibration: 2142002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	1.37	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05014	100	50 - 150	

ANALYSIS DATA SHEET

GW0599

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-09	File ID:	031F3101.D
Sampled:	05/09/12 09:59	Prepared:	05/17/12 06:25	Analyzed:	05/18/12 10:27
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E17002 Sequence: 2E14210 Calibration: 2142002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.406	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04776	95.5	50 - 150	

ANALYSIS DATA SHEET

GW0600

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-11	File ID:	032F3201.D
Sampled:	05/09/12 09:59	Prepared:	05/17/12 06:25	Analyzed:	05/18/12 11:06
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E17002 Sequence: 2E14210 Calibration: 2142002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.432	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04792	95.8	50 - 150	

ANALYSIS DATA SHEET

GW0609

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-13	File ID:	033F3301.D
Sampled:	05/08/12 15:01	Prepared:	05/17/12 06:25	Analyzed:	05/18/12 11:44
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E17002 Sequence: 2E14210 Calibration: 2142002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04675	93.5	50 - 150	

ANALYSIS DATA SHEET

GW0508

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-01	File ID:	039F3901.D
Sampled:	05/09/12 15:58	Prepared:	05/17/12 06:27	Analyzed:	05/18/12 15:35
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E17003 Sequence: 2E14210 Calibration: 2142002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	1.98	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04695	93.9	50 - 150	

ANALYSIS DATA SHEET

GW0509

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-03	File ID:	040F4001.D
Sampled:	05/10/12 11:21	Prepared:	05/17/12 06:27	Analyzed:	05/18/12 16:13
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E17003 Sequence: 2E14210 Calibration: 2142002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	1.01	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04909	98.2	50 - 150	

ANALYSIS DATA SHEET

GW0513

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-05	File ID:	041F4101.D
Sampled:	05/09/12 15:48	Prepared:	05/17/12 06:27	Analyzed:	05/18/12 16:51
Solids:		Preparation:	8015GRO	Dilution:	25

Batch: 2E17003 Sequence: 2E14210 Calibration: 2142002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	44.8	1.25	2.50	3.75	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05121	102	50 - 150	

ANALYSIS DATA SHEET

GW0583

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-07	File ID:	042F4201.D
Sampled:	05/10/12 15:38	Prepared:	05/17/12 06:27	Analyzed:	05/18/12 17:29
Solids:		Preparation:	8015GRO	Dilution:	25

Batch: 2E17003 Sequence: 2E14210 Calibration: 2142002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	37.7	1.25	2.50	3.75	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04900	98.0	50 - 150	

ANALYSIS DATA SHEET

GW0584

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-09	File ID:	043F4301.D
Sampled:	05/10/12 11:10	Prepared:	05/17/12 06:27	Analyzed:	05/18/12 18:07
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E17003 Sequence: 2E14210 Calibration: 2142002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04841	96.8	50 - 150	

ANALYSIS DATA SHEET

GW8051-RB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-11	File ID:	044F4401.D
Sampled:	05/10/12 08:22	Prepared:	05/17/12 06:27	Analyzed:	05/18/12 18:45
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E17003 Sequence: 2E14210 Calibration: 2142002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04641	92.8	50 - 150	

ANALYSIS DATA SHEET

GW0585

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205096-01	File ID:	045F4501.D
Sampled:	05/14/12 11:43	Prepared:	05/17/12 06:27	Analyzed:	05/18/12 19:23
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E17003 Sequence: 2E14210 Calibration: 2142002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04487	89.7	50 - 150	

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E17002	Laboratory ID:	2E17002-BS1
Preparation:	8015GRO	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	0.5000	0.4847	96.9	50 - 150

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	0.5000	0.5155	103	6.16	50	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E17003	Laboratory ID:	2E17003-BS1
Preparation:	8015GRO	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	0.5000	0.4662	93.2	50 - 150

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	0.5000	0.4525	90.5	2.98	50	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E23019	Laboratory ID:	2E23019-BS1
Preparation:	8015GRO	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	0.5000	0.4750	95.0	50 - 150

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	0.5000	0.5098	102	7.07	50	50 - 150

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 2E17002 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0517	1205054-01	05/17/12 06:25	5.00	5.00
GW0518	1205054-03	05/17/12 06:25	5.00	5.00
GW0563	1205054-05	05/17/12 06:25	5.00	5.00
GW0564	1205054-07	05/17/12 06:25	5.00	5.00
GW0565	1205054-09	05/17/12 06:25	5.00	5.00
GW0587	1205054-11	05/17/12 06:25	5.00	5.00
GW0588	1205054-13	05/17/12 06:25	5.00	5.00
GW0589	1205054-15	05/17/12 06:25	5.00	5.00
GW0610	1205054-17	05/17/12 06:25	5.00	5.00
GW0611	1205054-19	05/17/12 06:25	5.00	5.00
GW0612	1205054-21	05/17/12 06:25	5.00	5.00
GW8050-RB	1205054-23	05/17/12 06:25	5.00	5.00
GW0511	1205070-01	05/17/12 06:25	5.00	5.00
GW0570	1205070-05	05/17/12 06:25	5.00	5.00
GW0586	1205070-07	05/17/12 06:25	5.00	5.00
GW0599	1205070-09	05/17/12 06:25	5.00	5.00
GW0600	1205070-11	05/17/12 06:25	5.00	5.00
GW0609	1205070-13	05/17/12 06:25	5.00	5.00
Blank	2E17002-BLK1	05/17/12 06:25	5.00	5.00
LCS	2E17002-BS1	05/17/12 06:25	5.00	5.00
LCS Dup	2E17002-BSD1	05/17/12 06:25	5.00	5.00

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 2E17003 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0508	1205080-01	05/17/12 06:27	5.00	5.00
GW0509	1205080-03	05/17/12 06:27	5.00	5.00
GW0513	1205080-05	05/17/12 06:27	5.00	5.00
GW0583	1205080-07	05/17/12 06:27	5.00	5.00
GW0584	1205080-09	05/17/12 06:27	5.00	5.00
GW8051-RB	1205080-11	05/17/12 06:27	5.00	5.00
GW0585	1205096-01	05/17/12 06:27	5.00	5.00
Blank	2E17003-BLK1	05/17/12 06:27	5.00	5.00
LCS	2E17003-BS1	05/17/12 06:27	5.00	5.00
LCS Dup	2E17003-BSD1	05/17/12 06:27	5.00	5.00

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 2E23019 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0512	1205070-03RE1	05/17/12 06:25	5.00	5.00
Blank	2E23019-BLK1	05/23/12 13:03	5.00	5.00
LCS	2E23019-BS1	05/23/12 13:03	5.00	5.00
LCS Dup	2E23019-BSD1	05/23/12 13:03	5.00	5.00

INITIAL CALIBRATION STANDARDS

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E14209	Instrument:	GL-GCVOA2
Calibration:	2142002		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
12E0395	GRO Cal 0.1ppm	2E14209-CAL1	003F0301.D	05/17/12 16:03
12E0396	GRO Cal 0.2ppm	2E14209-CAL2	004F0401.D	05/17/12 16:41
12E0397	GRO Cal 0.5ppm	2E14209-CAL3	005F0501.D	05/17/12 17:21
12E0398	GRO Cal 1.0ppm	2E14209-CAL4	006F0601.D	05/17/12 18:00
12E0399	GRO Cal 2.0ppm	2E14209-CAL5	007F0701.D	05/17/12 18:39
12E0400	GRO Cal 5.0ppm	2E14209-CAL6	008F0801.D	05/17/12 19:19

INITIAL CALIBRATION DATA

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2142002	Instrument:	GL-GCVOA2	
Matrix:	Water	Calibration Dates:	5/17/12_16:03	5/17/12_19:19

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Gasoline Range Organics (C6-C10	0.1	2024400	0.2	1369175	0.5	1206482	1	1195611	2	1054687	5	1139391
Bromofluorobenzene	0.01	1126400	0.02	965350	0.05	934860	0.1	921440	0.2	828470	0.5	923884

INITIAL CALIBRATION DATA (Continued)

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2142002	Instrument:	GL-GCVOA2	
Matrix:	Water	Calibration Dates:	5/17/12 16:03	5/17/12 19:19

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Gasoline Range Organics (C6-C10)	1331624	26.63868	7.777	1.116742E-02	0.9983434		0.995	
Bromofluorobenzene	950067.3	10.29668	20.29183	2.870059E-02			20	

INITIAL CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2142002
Lab File ID:	011F11A1.D	Calibration Date:	05/17/12 00:00
Sequence:	2E14209	Injection Date:	05/17/12
Lab Sample ID:	2E14209-ICV1	Injection Time:	21:18

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.4847	1331624	1156220		-3.1	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2142002
Lab File ID:	010F1001.D	Calibration Date:	05/17/12 00:00
Sequence:	2E14210	Injection Date:	05/17/12
Lab Sample ID:	2E14210-CCV1	Injection Time:	20:38

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.5284	1331624	1254290		5.7	20
Bromofluorobenzene	A	0.05000	0.05048	950067.3	959260		1.0	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2142002
Lab File ID:	024F2401.D	Calibration Date:	05/17/12 00:00
Sequence:	2E14210	Injection Date:	05/18/12
Lab Sample ID:	2E14210-CCV2	Injection Time:	05:48

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.4563	1331624	1092470		-8.7	20
Bromofluorobenzene	A	0.05000	0.04712	950067.3	895400		-5.8	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2142002
Lab File ID:	035F3501.D	Calibration Date:	05/17/12 00:00
Sequence:	2E14210	Injection Date:	05/18/12
Lab Sample ID:	2E14210-CCV3	Injection Time:	13:01

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.4475	1331624	1072686		-10.5	20
Bromofluorobenzene	A	0.05000	0.04414	950067.3	838820		-11.7	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2142002
Lab File ID:	046F4601.D	Calibration Date:	05/17/12 00:00
Sequence:	2E14210	Injection Date:	05/18/12
Lab Sample ID:	2E14210-CCV4	Injection Time:	20:01

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.4530	1331624	1085152		-9.4	20
Bromofluorobenzene	A	0.05000	0.04306	950067.3	818220		-13.9	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2142002
Lab File ID:	003F0301.D	Calibration Date:	05/17/12 00:00
Sequence:	2E14509	Injection Date:	05/23/12
Lab Sample ID:	2E14509-CCV1	Injection Time:	16:34

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.5863	1331624	1384298		17.3	20
Bromofluorobenzene	A	0.05000	0.04645	950067.3	882700		-7.1	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2142002
Lab File ID:	010F1001.D	Calibration Date:	05/17/12 00:00
Sequence:	2E14509	Injection Date:	05/23/12
Lab Sample ID:	2E14509-CCV2	Injection Time:	20:59

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.5468	1331624	1295636		9.4	20
Bromofluorobenzene	A	0.05000	0.04360	950067.3	828560		-12.8	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E14210	Instrument:	GL-GCVOA2
		Calibration:	2142002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2E14210-CCV1) ug/mL				Lab File ID: 010F1001.D		Analyzed: 05/17/12 20:38		
Bromofluorobenzene	0.05000	101	80 - 120	20.296	20.296	0.0000	+/-0.210	
LCS (2E17002-BS1) mg/L				Lab File ID: 011F1101.D		Analyzed: 05/17/12 21:18		
Bromofluorobenzene	0.05000	93.3	50 - 150	20.296	20.296	0.0000	+/-0.210	
LCS Dup (2E17002-BSD1) mg/L				Lab File ID: 012F1201.D		Analyzed: 05/17/12 21:57		
Bromofluorobenzene	0.05000	94.0	50 - 150	20.296	20.296	0.0000	+/-0.210	
Blank (2E17002-BLK1) mg/L				Lab File ID: 013F1301.D		Analyzed: 05/17/12 22:36		
Bromofluorobenzene	0.05000	97.3	50 - 150	20.296	20.296	0.0000	+/-0.210	
GW0517 (1205054-01) mg/L				Lab File ID: 014F1401.D		Analyzed: 05/17/12 23:16		
Bromofluorobenzene	0.05000	107	50 - 150	20.293	20.296	-0.0030	+/-0.210	
GW0518 (1205054-03) mg/L				Lab File ID: 015F1501.D		Analyzed: 05/17/12 23:55		
Bromofluorobenzene	0.05000	108	50 - 150	20.293	20.296	-0.0030	+/-0.210	
GW0563 (1205054-05) mg/L				Lab File ID: 016F1601.D		Analyzed: 05/18/12 00:35		
Bromofluorobenzene	0.05000	103	50 - 150	20.293	20.296	-0.0030	+/-0.210	
GW0564 (1205054-07) mg/L				Lab File ID: 017F1701.D		Analyzed: 05/18/12 01:14		
Bromofluorobenzene	0.05000	105	50 - 150	20.296	20.296	0.0000	+/-0.210	
GW0565 (1205054-09) mg/L				Lab File ID: 018F1801.D		Analyzed: 05/18/12 01:53		
Bromofluorobenzene	0.05000	101	50 - 150	20.296	20.296	0.0000	+/-0.210	
GW0587 (1205054-11) mg/L				Lab File ID: 019F1901.D		Analyzed: 05/18/12 02:33		
Bromofluorobenzene	0.05000	102	50 - 150	20.293	20.296	-0.0030	+/-0.210	
GW0588 (1205054-13) mg/L				Lab File ID: 020F2001.D		Analyzed: 05/18/12 03:12		
Bromofluorobenzene	0.05000	105	50 - 150	20.296	20.296	0.0000	+/-0.210	
GW0589 (1205054-15) mg/L				Lab File ID: 021F2101.D		Analyzed: 05/18/12 03:51		
Bromofluorobenzene	0.05000	104	50 - 150	20.296	20.296	0.0000	+/-0.210	
GW0610 (1205054-17) mg/L				Lab File ID: 022F2201.D		Analyzed: 05/18/12 04:30		
Bromofluorobenzene	0.05000	103	50 - 150	20.296	20.296	0.0000	+/-0.210	
GW0611 (1205054-19) mg/L				Lab File ID: 023F2301.D		Analyzed: 05/18/12 05:09		
Bromofluorobenzene	0.05000	100	50 - 150	20.296	20.296	0.0000	+/-0.210	
Calibration Check (2E14210-CCV2) ug/mL				Lab File ID: 024F2401.D		Analyzed: 05/18/12 05:48		
Bromofluorobenzene	0.05000	94.2	80 - 120	20.3	20.296	0.0040	+/-0.210	
GW0612 (1205054-21) mg/L				Lab File ID: 025F2501.D		Analyzed: 05/18/12 06:27		
Bromofluorobenzene	0.05000	102	50 - 150	20.3	20.296	0.0040	+/-0.210	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E14210	Instrument:	GL-GCVOA2
		Calibration:	2142002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW8050-RB (1205054-23) mg/L				Lab File ID: 026F2601.D		Analyzed: 05/18/12 07:07		
Bromofluorobenzene	0.05000	103	50 - 150	20.296	20.296	0.0000	+/-0.210	
GW0511 (1205070-01) mg/L				Lab File ID: 027F2701.D		Analyzed: 05/18/12 07:47		
Bromofluorobenzene	0.05000	117	50 - 150	20.29	20.296	-0.0060	+/-0.210	
GW0570 (1205070-05) mg/L				Lab File ID: 029F2901.D		Analyzed: 05/18/12 09:08		
Bromofluorobenzene	0.05000	110	50 - 150	20.29	20.296	-0.0060	+/-0.210	
GW0586 (1205070-07) mg/L				Lab File ID: 030F3001.D		Analyzed: 05/18/12 09:48		
Bromofluorobenzene	0.05000	100	50 - 150	20.293	20.296	-0.0030	+/-0.210	
GW0599 (1205070-09) mg/L				Lab File ID: 031F3101.D		Analyzed: 05/18/12 10:27		
Bromofluorobenzene	0.05000	95.5	50 - 150	20.293	20.296	-0.0030	+/-0.210	
GW0600 (1205070-11) mg/L				Lab File ID: 032F3201.D		Analyzed: 05/18/12 11:06		
Bromofluorobenzene	0.05000	95.8	50 - 150	20.296	20.296	0.0000	+/-0.210	
GW0609 (1205070-13) mg/L				Lab File ID: 033F3301.D		Analyzed: 05/18/12 11:44		
Bromofluorobenzene	0.05000	93.5	50 - 150	20.3	20.296	0.0040	+/-0.210	
Calibration Check (2E14210-CCV3) ug/mL				Lab File ID: 035F3501.D		Analyzed: 05/18/12 13:01		
Bromofluorobenzene	0.05000	88.3	80 - 120	20.3	20.296	0.0040	+/-0.210	
LCS (2E17003-BS1) mg/L				Lab File ID: 036F3601.D		Analyzed: 05/18/12 13:39		
Bromofluorobenzene	0.05000	86.2	50 - 150	20.3	20.296	0.0040	+/-0.210	
LCS Dup (2E17003-BSD1) mg/L				Lab File ID: 037F3701.D		Analyzed: 05/18/12 14:17		
Bromofluorobenzene	0.05000	82.0	50 - 150	20.3	20.296	0.0040	+/-0.210	
Blank (2E17003-BLK1) mg/L				Lab File ID: 038F3801.D		Analyzed: 05/18/12 14:56		
Bromofluorobenzene	0.05000	89.2	50 - 150	20.296	20.296	0.0000	+/-0.210	
GW0508 (1205080-01) mg/L				Lab File ID: 039F3901.D		Analyzed: 05/18/12 15:35		
Bromofluorobenzene	0.05000	93.9	50 - 150	20.293	20.296	-0.0030	+/-0.210	
GW0509 (1205080-03) mg/L				Lab File ID: 040F4001.D		Analyzed: 05/18/12 16:13		
Bromofluorobenzene	0.05000	98.2	50 - 150	20.296	20.296	0.0000	+/-0.210	
GW0513 (1205080-05) mg/L				Lab File ID: 041F4101.D		Analyzed: 05/18/12 16:51		
Bromofluorobenzene	0.05000	102	50 - 150	20.3	20.296	0.0040	+/-0.210	
GW0583 (1205080-07) mg/L				Lab File ID: 042F4201.D		Analyzed: 05/18/12 17:29		
Bromofluorobenzene	0.05000	98.0	50 - 150	20.3	20.296	0.0040	+/-0.210	
GW0584 (1205080-09) mg/L				Lab File ID: 043F4301.D		Analyzed: 05/18/12 18:07		
Bromofluorobenzene	0.05000	96.8	50 - 150	20.303	20.296	0.0070	+/-0.210	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E14210	Instrument:	GL-GCVOA2
		Calibration:	2142002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW8051-RB (1205080-11) mg/L				Lab File ID: 044F4401.D		Analyzed: 05/18/12 18:45		
Bromofluorobenzene	0.05000	92.8	50 - 150	20.306	20.296	0.0100	+/-0.210	
GW0585 (1205096-01) mg/L				Lab File ID: 045F4501.D		Analyzed: 05/18/12 19:23		
Bromofluorobenzene	0.05000	89.7	50 - 150	20.306	20.296	0.0100	+/-0.210	
Calibration Check (2E14210-CCV4) ug/mL				Lab File ID: 046F4601.D		Analyzed: 05/18/12 20:01		
Bromofluorobenzene	0.05000	86.1	80 - 120	20.303	20.296	0.0070	+/-0.210	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E14509	Instrument:	GL-GCVOA2
		Calibration:	2142002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2E14509-CCV1) ug/mL				Lab File ID: 003F0301.D		Analyzed: 05/23/12 16:34		
Bromofluorobenzene	0.05000	92.9	80 - 120	20.286	20.286	0.0000	+/-0.210	
LCS (2E23019-BS1) mg/L				Lab File ID: 004F0401.D		Analyzed: 05/23/12 17:12		
Bromofluorobenzene	0.05000	88.7	50 - 150	20.293	20.286	0.0070	+/-0.210	
LCS Dup (2E23019-BSD1) mg/L				Lab File ID: 005F0501.D		Analyzed: 05/23/12 17:50		
Bromofluorobenzene	0.05000	82.6	50 - 150	20.296	20.286	0.0100	+/-0.210	
Blank (2E23019-BLK1) mg/L				Lab File ID: 006F0601.D		Analyzed: 05/23/12 18:27		
Bromofluorobenzene	0.05000	97.4	50 - 150	20.3	20.286	0.0140	+/-0.210	
GW0512 (1205070-03RE1) mg/L				Lab File ID: 007F0701.D		Analyzed: 05/23/12 19:05		
Bromofluorobenzene	0.05000	96.0	50 - 150	20.303	20.286	0.0170	+/-0.210	
Calibration Check (2E14509-CCV2) ug/mL				Lab File ID: 010F1001.D		Analyzed: 05/23/12 20:59		
Bromofluorobenzene	0.05000	87.2	80 - 120	20.3	20.286	0.0140	+/-0.210	

HOLDING TIME SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
GW0517	05/07/12 15:44	05/09/12 08:20	05/17/12 06:25	N/A	14.00	05/17/12 23:16	10.27	14.00	
GW0518	05/07/12 11:59	05/09/12 08:20	05/17/12 06:25	N/A	14.00	05/17/12 23:55	10.46	14.00	
GW0563	05/07/12 15:51	05/09/12 08:20	05/17/12 06:25	N/A	14.00	05/18/12 00:35	10.32	14.00	
GW0564	05/07/12 13:24	05/09/12 08:20	05/17/12 06:25	N/A	14.00	05/18/12 01:14	10.45	14.00	
GW0565	05/07/12 11:09	05/09/12 08:20	05/17/12 06:25	N/A	14.00	05/18/12 01:53	10.57	14.00	
GW0587	05/08/12 13:28	05/09/12 08:20	05/17/12 06:25	N/A	14.00	05/18/12 02:33	9.50	14.00	
GW0588	05/08/12 11:03	05/09/12 08:20	05/17/12 06:25	N/A	14.00	05/18/12 03:12	9.63	14.00	
GW0589	05/08/12 11:03	05/09/12 08:20	05/17/12 06:25	N/A	14.00	05/18/12 03:51	9.66	14.00	
GW0610	05/08/12 12:45	05/09/12 08:20	05/17/12 06:25	N/A	14.00	05/18/12 04:30	9.61	14.00	
GW0611	05/08/12 12:45	05/09/12 08:20	05/17/12 06:25	N/A	14.00	05/18/12 05:09	9.64	14.00	
GW0612	05/08/12 10:31	05/09/12 08:20	05/17/12 06:25	N/A	14.00	05/18/12 06:27	9.79	14.00	
GW8050-RB	05/07/12 08:40	05/09/12 08:20	05/17/12 06:25	N/A	14.00	05/18/12 07:07	10.89	14.00	
GW0511	05/09/12 11:13	05/10/12 08:20	05/17/12 06:25	N/A	14.00	05/18/12 07:47	8.82	14.00	
GW0512	05/09/12 11:13	05/10/12 08:20	05/17/12 06:25	N/A	14.00	05/23/12 19:05	14.29	14.00	
GW0570	05/09/12 13:09	05/10/12 08:20	05/17/12 06:25	N/A	14.00	05/18/12 09:08	8.79	14.00	
GW0586	05/08/12 15:27	05/10/12 08:20	05/17/12 06:25	N/A	14.00	05/18/12 09:48	9.72	14.00	
GW0599	05/09/12 09:59	05/10/12 08:20	05/17/12 06:25	N/A	14.00	05/18/12 10:27	8.98	14.00	
GW0600	05/09/12 09:59	05/10/12 08:20	05/17/12 06:25	N/A	14.00	05/18/12 11:06	9.00	14.00	
GW0609	05/08/12 15:01	05/10/12 08:20	05/17/12 06:25	N/A	14.00	05/18/12 11:44	9.82	14.00	
GW0508	05/09/12 15:58	05/11/12 08:20	05/17/12 06:27	N/A	14.00	05/18/12 15:35	8.94	14.00	
GW0509	05/10/12 11:21	05/11/12 08:20	05/17/12 06:27	N/A	14.00	05/18/12 16:13	8.16	14.00	
GW0513	05/09/12 15:48	05/11/12 08:20	05/17/12 06:27	N/A	14.00	05/18/12 16:51	9.00	14.00	
GW0583	05/10/12 15:38	05/11/12 08:20	05/17/12 06:27	N/A	14.00	05/18/12 17:29	8.04	14.00	
GW0584	05/10/12 11:10	05/11/12 08:20	05/17/12 06:27	N/A	14.00	05/18/12 18:07	8.25	14.00	

HOLDING TIME SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
GW8051-RB	05/10/12 08:22	05/11/12 08:20	05/17/12 06:27	N/A	14.00	05/18/12 18:45	8.39	14.00	
GW0585	05/14/12 11:43	05/15/12 08:30	05/17/12 06:27	N/A	14.00	05/18/12 19:23	4.28	14.00	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2E17002-BLK1	File ID:	013F1301.D
Sampled:		Prepared:		Analyzed:	05/17/12 22:36
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 2E17002 Sequence: 2E14210 Calibration: 2142002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04866	97.3	50 - 150	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2E17002-BS1	File ID:	011F1101.D
Sampled:		Prepared:		Analyzed:	05/17/12 21:18
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2E17002	Sequence:	2E14210	Calibration:	2142002	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4847	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04665	93.3	50 - 150	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2E17002-BSD1	File ID:	012F1201.D
Sampled:		Prepared:		Analyzed:	05/17/12 21:57
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2E17002	Sequence:	2E14210	Calibration:	2142002	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.5155	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04700	94.0	50 - 150	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2E17003-BLK1	File ID:	038F3801.D
Sampled:		Prepared:		Analyzed:	05/18/12 14:56
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2E17003	Sequence:	2E14210	Calibration:	2142002	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04461	89.2	50 - 150	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2E17003-BS1	File ID:	036F3601.D
Sampled:		Prepared:		Analyzed:	05/18/12 13:39
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2E17003	Sequence:	2E14210	Calibration:	2142002	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4662	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04308	86.2	50 - 150	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2E17003-BSD1	File ID:	037F3701.D
Sampled:		Prepared:		Analyzed:	05/18/12 14:17
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2E17003	Sequence:	2E14210	Calibration:	2142002	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4525	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04102	82.0	50 - 150	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2E23019-BLK1	File ID:	006F0601.D
Sampled:		Prepared:		Analyzed:	05/23/12 18:27
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2E23019	Sequence:	2E14509	Calibration:	2142002	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04870	97.4	50 - 150	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2E23019-BS1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	05/23/12 17:12
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2E23019	Sequence:	2E14509	Calibration:	2142002	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4750	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04433	88.7	50 - 150	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2E23019-BSD1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	05/23/12 17:50
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2E23019	Sequence:	2E14509	Calibration:	2142002	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.5098	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04132	82.6	50 - 150	

Data for SW8011 Forms

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10802	Instrument:	GL-ECD2
Calibration:	2108003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2D10802-CAL1	002R0101.D	04/13/12 10:24
Cal Standard	2D10802-CAL1	002F0101.D	04/13/12 10:24
Cal Standard	2D10802-CAL2	003F0101.D	04/13/12 10:45
Cal Standard	2D10802-CAL2	003R0101.D	04/13/12 10:45
Cal Standard	2D10802-CAL3	004F0101.D	04/13/12 11:06
Cal Standard	2D10802-CAL3	004R0101.D	04/13/12 11:06
Cal Standard	2D10802-CAL4	005F0101.D	04/13/12 11:27
Cal Standard	2D10802-CAL4	005R0101.D	04/13/12 11:27
Cal Standard	2D10802-CAL5	006R0101.D	04/13/12 11:49
Cal Standard	2D10802-CAL5	006F0101.D	04/13/12 11:49
Cal Standard	2D10802-CAL6	007R0101.D	04/13/12 12:10
Cal Standard	2D10802-CAL6	007F0101.D	04/13/12 12:10
Cal Standard	2D10802-CAL7	008F0101.D	04/13/12 12:31
Cal Standard	2D10802-CAL7	008R0101.D	04/13/12 12:31
Cal Standard	2D10802-CAL8	009F0101.D	04/13/12 12:53
Cal Standard	2D10802-CAL8	009R0101.D	04/13/12 12:53
Cal Standard	2D10802-CAL9	010F0101.D	04/13/12 13:14
Cal Standard	2D10802-CAL9	010R0101.D	04/13/12 13:14
Initial Cal Check	2D10802-ICV1	011R0101.D	04/13/12 13:35
Initial Cal Check	2D10802-ICV1	011F0101.D	04/13/12 13:35

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13708	Instrument:	GL-ECD2
Calibration:	2108003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2E13708-CCV2	007R0101.D	05/15/12 13:12
Calibration Check	2E13708-CCV2	007F0101.D	05/15/12 13:12
Blank	2E15009-BLK1	008R0101.D	05/15/12 13:58
LCS	2E15009-BS1	009R0101.D	05/15/12 14:15
LCS	2E15009-BS1	009F0101.D	05/15/12 14:15
LCS Dup	2E15009-BSD1	010R0101.D	05/15/12 14:36
LCS Dup	2E15009-BSD1	010F0101.D	05/15/12 14:36
GW0509	1205080-03	011R0101.D	05/15/12 14:58
GW0509	1205080-03	011F0101.D	05/15/12 14:58
GW0584	1205080-09	014R0101.D	05/15/12 16:02
GW0585	1205096-01	015R0101.D	05/15/12 16:24
Calibration Check	2E13708-CCV3	018R0101.D	05/15/12 17:28
Calibration Check	2E13708-CCV3	018F0101.D	05/15/12 17:28

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E14513	Instrument:	GL-ECD2
Calibration:	2108003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2E14513-CCV1	027R0101.D	05/17/12 18:44
Calibration Check	2E14513-CCV1	027F0101.D	05/17/12 18:44
GW0513	1205080-05RE1	031R0101.D	05/17/12 20:09
GW0513	1205080-05RE1	031F0101.D	05/17/12 20:09
GW0583	1205080-07RE1	033R0101.D	05/17/12 20:51
GW0583	1205080-07RE1	033F0101.D	05/17/12 20:51
Calibration Check	2E14513-CCV2	035R0101.D	05/17/12 21:33
Calibration Check	2E14513-CCV2	035F0101.D	05/17/12 21:33

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E14514	Instrument:	GL-ECD2
Calibration:	2108003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2E14514-CCV1	002R0101.D	05/22/12 10:19
Calibration Check	2E14514-CCV1	002F0101.D	05/22/12 10:19
Blank	2E22019-BLK1	006R0101.D	05/22/12 16:08
LCS	2E22019-BS1	007R0101.D	05/22/12 16:25
LCS	2E22019-BS1	007F0101.D	05/22/12 16:25
LCS Dup	2E22019-BSD1	008F0101.D	05/22/12 16:46
LCS Dup	2E22019-BSD1	008R0101.D	05/22/12 16:46
GW0518	1205054-03	010F0101.D	05/22/12 17:28
GW0518	1205054-03	010R0101.D	05/22/12 17:28
GW0563	1205054-05	011R0101.D	05/22/12 17:49
GW0563	1205054-05	011F0101.D	05/22/12 17:49
GW0564	1205054-07	012R0101.D	05/22/12 18:11
GW0564	1205054-07	012F0101.D	05/22/12 18:11
GW0565	1205054-09	013F0101.D	05/22/12 18:32
GW0587	1205054-11	014R0101.D	05/22/12 18:53
GW0587	1205054-11	014F0101.D	05/22/12 18:53
GW0588	1205054-13	015R0101.D	05/22/12 19:14
GW0589	1205054-15	016F0101.D	05/22/12 19:36
GW0610	1205054-17	017F0101.D	05/22/12 19:57
GW0611	1205054-19	018R0101.D	05/22/12 20:18
Calibration Check	2E14514-CCV2	019F0101.D	05/22/12 20:40
Calibration Check	2E14514-CCV2	019R0101.D	05/22/12 20:40
GW0612	1205054-21	020R0101.D	05/22/12 21:01
GW0511	1205070-01RE1	022R0101.D	05/22/12 21:43
GW0511	1205070-01RE1	022F0101.D	05/22/12 21:43
GW0512	1205070-03RE1	024R0101.D	05/22/12 22:26
GW0512	1205070-03RE1	024F0101.D	05/22/12 22:26
GW0586	1205070-07RE1	026R0101.D	05/22/12 23:08
GW0586	1205070-07RE1	026F0101.D	05/22/12 23:08
GW0599	1205070-09	027R0101.D	05/22/12 23:29
GW0599	1205070-09	027F0101.D	05/22/12 23:29
GW0600	1205070-11	028R0101.D	05/22/12 23:51

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E14514	Instrument:	GL-ECD2
Calibration:	2108003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
GW0600	1205070-11	028F0101.D	05/22/12 23:51
GW0609	1205070-13	029R0101.D	05/23/12 00:12
Calibration Check	2E14514-CCV3	030R0101.D	05/23/12 00:33
Calibration Check	2E14514-CCV3	030F0101.D	05/23/12 00:33
GW0508	1205080-01RE1	033F0101.D	05/23/12 01:37
GW0508	1205080-01RE1	033R0101.D	05/23/12 01:37
Calibration Check	2E14514-CCV4	035R0101.D	05/23/12 05:55
Calibration Check	2E14514-CCV4	035F0101.D	05/23/12 05:55
GW0570	1205070-05RE1	036R0101.D	05/23/12 13:13
GW0570	1205070-05RE1	036F0101.D	05/23/12 13:13
Calibration Check	2E14514-CCV5	038R0101.D	05/23/12 13:51
Calibration Check	2E14514-CCV5	038F0101.D	05/23/12 13:51

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E15033	Instrument:	GL-ECD2
Calibration:	2108003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2E15033-CCV1	002R0101.D	05/24/12 12:38
Calibration Check	2E15033-CCV1	002F0101.D	05/24/12 12:38
GW0517	1205054-01RE2	003R0101.D	05/24/12 12:59
GW0517	1205054-01RE2	003F0101.D	05/24/12 12:59
Calibration Check	2E15033-CCV2	005R0101.D	05/24/12 13:43
Calibration Check	2E15033-CCV2	005F0101.D	05/24/12 13:43

ANALYSIS DATA SHEET

GW0517

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-01RE2	File ID:	003F0101.D
Sampled:	05/07/12 15:44	Prepared:	05/22/12 13:36	Analyzed:	05/24/12 12:59
Solids:		Preparation:	EDB	Dilution:	400

Batch: 2E22019 Sequence: 2E15033 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	320	3.72	7.44	11.2	DH1, H2

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0518

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-03	File ID:	010R0101.D
Sampled:	05/07/12 11:59	Prepared:	05/22/12 13:36	Analyzed:	05/22/12 17:28
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2E22019 Sequence: 2E14514 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]		0.00935	0.0187	0.0281	UH1, H2

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0563

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-05	File ID:	011F0101.D
Sampled:	05/07/12 15:51	Prepared:	05/22/12 13:36	Analyzed:	05/22/12 17:49
Solids:		Preparation:	EDB	Dilution:	200

Batch: 2E22019 Sequence: 2E14514 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	143	1.88	3.77	5.65	DH1, H2

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0564

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-07	File ID:	012R0101.D
Sampled:	05/07/12 13:24	Prepared:	05/22/12 13:36	Analyzed:	05/22/12 18:11
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2E22019 Sequence: 2E14514 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]		0.00945	0.0189	0.0283	UH1, H2

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0565

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-09	File ID:	013F0101.D
Sampled:	05/07/12 11:09	Prepared:	05/22/12 13:36	Analyzed:	05/22/12 18:32
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2E22019 Sequence: 2E14514 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]		0.00944	0.0189	0.0283	UH1, H2

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0587

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-11	File ID:	014F0101.D
Sampled:	05/08/12 13:28	Prepared:	05/22/12 13:36	Analyzed:	05/22/12 18:53
Solids:		Preparation:	EDB	Dilution:	2

Batch: 2E22019 Sequence: 2E14514 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	1.19	0.0190	0.0379	0.0569	D

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0588

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-13	File ID:	015R0101.D
Sampled:	05/08/12 11:03	Prepared:	05/22/12 13:36	Analyzed:	05/22/12 19:14
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2E22019 Sequence: 2E14514 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00954	0.0191	0.0286	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0589

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-15	File ID:	016F0101.D
Sampled:	05/08/12 11:03	Prepared:	05/22/12 13:36	Analyzed:	05/22/12 19:36
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2E22019 Sequence: 2E14514 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00946	0.0189	0.0284	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0610

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-17	File ID:	017F0101.D
Sampled:	05/08/12 12:45	Prepared:	05/22/12 13:36	Analyzed:	05/22/12 19:57
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2E22019 Sequence: 2E14514 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00978	0.0196	0.0293	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0611

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-19	File ID:	018R0101.D
Sampled:	05/08/12 12:45	Prepared:	05/22/12 13:36	Analyzed:	05/22/12 20:18
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2E22019 Sequence: 2E14514 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00951	0.0190	0.0285	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0612

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-21	File ID:	020R0101.D
Sampled:	05/08/12 10:31	Prepared:	05/22/12 13:36	Analyzed:	05/22/12 21:01
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2E22019 Sequence: 2E14514 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00946	0.0189	0.0284	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0511

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-01RE1	File ID:	022F0101.D
Sampled:	05/09/12 11:13	Prepared:	05/22/12 13:36	Analyzed:	05/22/12 21:43
Solids:		Preparation:	EDB	Dilution:	10

Batch: 2E22019 Sequence: 2E14514 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	3.68	0.0944	0.189	0.283	D

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0512

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-03RE1	File ID:	024F0101.D
Sampled:	05/09/12 11:13	Prepared:	05/22/12 13:36	Analyzed:	05/22/12 22:26
Solids:		Preparation:	EDB	Dilution:	10

Batch: 2E22019 Sequence: 2E14514 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	4.06	0.0938	0.188	0.281	D

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0570

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-05RE1	File ID:	036F0101.D
Sampled:	05/09/12 13:09	Prepared:	05/22/12 13:36	Analyzed:	05/23/12 13:13
Solids:		Preparation:	EDB	Dilution:	100

Batch: 2E22019 Sequence: 2E14514 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	43.9	0.944	1.89	2.83	D

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0586

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-07RE1	File ID:	026F0101.D
Sampled:	05/08/12 15:27	Prepared:	05/22/12 13:36	Analyzed:	05/22/12 23:08
Solids:		Preparation:	EDB	Dilution:	10

Batch: 2E22019 Sequence: 2E14514 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	4.55	0.0956	0.191	0.287	D

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0599

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-09	File ID:	027R0101.D
Sampled:	05/09/12 09:59	Prepared:	05/22/12 13:36	Analyzed:	05/22/12 23:29
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2E22019 Sequence: 2E14514 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.0626	0.00948	0.0190	0.0284	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0600

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-11	File ID:	028R0101.D
Sampled:	05/09/12 09:59	Prepared:	05/22/12 13:36	Analyzed:	05/22/12 23:51
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2E22019 Sequence: 2E14514 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.0628	0.00945	0.0189	0.0284	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0609

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-13	File ID:	029R0101.D
Sampled:	05/08/12 15:01	Prepared:	05/22/12 13:36	Analyzed:	05/23/12 00:12
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2E22019 Sequence: 2E14514 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00941	0.0188	0.0282	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0508

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-01RE1	File ID:	033F0101.D
Sampled:	05/09/12 15:58	Prepared:	05/22/12 13:36	Analyzed:	05/23/12 01:37
Solids:		Preparation:	EDB	Dilution:	10

Batch: 2E22019 Sequence: 2E14514 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	4.15	0.0955	0.191	0.286	D

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0509

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-03	File ID:	011F0101.D
Sampled:	05/10/12 11:21	Prepared:	05/15/12 08:06	Analyzed:	05/15/12 14:58
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2E15009 Sequence: 2E13708 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.283	0.00950	0.0190	0.0285	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0513

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-05RE1	File ID:	031F0101.D
Sampled:	05/09/12 15:48	Prepared:	05/15/12 08:06	Analyzed:	05/17/12 20:09
Solids:		Preparation:	EDB	Dilution:	20

Batch: 2E15009 Sequence: 2E14513 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	6.44	0.187	0.375	0.562	D

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0583

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-07RE1	File ID:	033F0101.D
Sampled:	05/10/12 15:38	Prepared:	05/15/12 08:06	Analyzed:	05/17/12 20:51
Solids:		Preparation:	EDB	Dilution:	500

Batch: 2E15009 Sequence: 2E14513 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	245	4.69	9.38	14.1	D

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0584

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-09	File ID:	014R0101.D
Sampled:	05/10/12 11:10	Prepared:	05/15/12 08:06	Analyzed:	05/15/12 16:02
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2E15009 Sequence: 2E13708 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00951	0.0190	0.0285	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0585

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205096-01	File ID:	015R0101.D
Sampled:	05/14/12 11:43	Prepared:	05/15/12 08:06	Analyzed:	05/15/12 16:24
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2E15009 Sequence: 2E13708 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00937	0.0187	0.0281	U

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E15009	Laboratory ID:	2E15009-BS1
Preparation:	EDB	Initial/Final:	35 mL / 35 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,2-Dibromoethane	0.5000	0.5508	110	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.4760	95.2	70 - 130

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromoethane	0.5000	0.5464	109	0.800	20	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.4954	99.1	4.01	20	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E22019	Laboratory ID:	2E22019-BS1
Preparation:	EDB	Initial/Final:	35 mL / 35 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,2-Dibromoethane	0.5000	0.5430	109	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.5207	104	70 - 130

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromoethane	0.5000	0.5700	114	4.85	20	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.5225	104	0.341	20	70 - 130

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 2E15009 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0509	1205080-03	05/15/12 08:06	36.86	35.00
GW0513	1205080-05RE1	05/15/12 08:06	37.35	35.00
GW0583	1205080-07RE1	05/15/12 08:06	37.33	35.00
GW0584	1205080-09	05/15/12 08:06	36.80	35.00
GW0585	1205096-01	05/15/12 08:06	37.34	35.00
Blank	2E15009-BLK1	05/15/12 08:06	35.00	35.00
LCS	2E15009-BS1	05/15/12 08:06	35.00	35.00
LCS Dup	2E15009-BSD1	05/15/12 08:06	35.00	35.00

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 2E22019 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0517	1205054-01RE2	05/22/12 13:36	37.65	35.00
GW0518	1205054-03	05/22/12 13:36	37.42	35.00
GW0563	1205054-05	05/22/12 13:36	37.17	35.00
GW0564	1205054-07	05/22/12 13:36	37.05	35.00
GW0565	1205054-09	05/22/12 13:36	37.09	35.00
GW0587	1205054-11	05/22/12 13:36	36.91	35.00
GW0588	1205054-13	05/22/12 13:36	36.70	35.00
GW0589	1205054-15	05/22/12 13:36	37.00	35.00
GW0610	1205054-17	05/22/12 13:36	35.80	35.00
GW0611	1205054-19	05/22/12 13:36	36.81	35.00
GW0612	1205054-21	05/22/12 13:36	36.98	35.00
GW0511	1205070-01RE1	05/22/12 13:36	37.06	35.00
GW0512	1205070-03RE1	05/22/12 13:36	37.32	35.00
GW0570	1205070-05RE1	05/22/12 13:36	37.07	35.00
GW0586	1205070-07RE1	05/22/12 13:36	36.63	35.00
GW0599	1205070-09	05/22/12 13:36	36.92	35.00
GW0600	1205070-11	05/22/12 13:36	37.03	35.00
GW0609	1205070-13	05/22/12 13:36	37.19	35.00
GW0508	1205080-01RE1	05/22/12 13:36	36.66	35.00
Blank	2E22019-BLK1	05/22/12 13:36	35.00	35.00
LCS	2E22019-BS1	05/22/12 13:36	35.00	35.00
LCS Dup	2E22019-BSD1	05/22/12 13:36	35.00	35.00

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2E15009-BLK1	File ID:	008R0101.D
Sampled:		Prepared:	05/15/12 08:06	Analyzed:	05/15/12 13:58
Solids:		Preparation:	EDB	Dilution:	

Batch: 2E15009 Sequence: 2E13708 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.0100	0.0200	0.0300	U

* Values outside of QC limits

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2E22019-BLK1	File ID:	006R0101.D
Sampled:		Prepared:	05/22/12 13:36	Analyzed:	05/22/12 16:08
Solids:		Preparation:	EDB	Dilution:	

Batch: 2E22019 Sequence: 2E14514 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.0100	0.0200	0.0300	U

* Values outside of QC limits

INITIAL CALIBRATION STANDARDS

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10802	Instrument:	GL-ECD2
Calibration:	2108003		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
12D0357	EDB ICAL 1 (0.02ppb)	2D10802-CAL1	002R0101.D	04/13/12 10:24
12D0357	EDB ICAL 1 (0.02ppb)	2D10802-CAL1	002F0101.D	04/13/12 10:24
12D0358	EDB ICAL 2 (0.03ppb)	2D10802-CAL2	003F0101.D	04/13/12 10:45
12D0358	EDB ICAL 2 (0.03ppb)	2D10802-CAL2	003R0101.D	04/13/12 10:45
12D0359	EDB ICAL 3 (0.05ppb)	2D10802-CAL3	004F0101.D	04/13/12 11:06
12D0359	EDB ICAL 3 (0.05ppb)	2D10802-CAL3	004R0101.D	04/13/12 11:06
12D0360	EDB ICAL 4 (0.10ppb)	2D10802-CAL4	005R0101.D	04/13/12 11:27
12D0360	EDB ICAL 4 (0.10ppb)	2D10802-CAL4	005F0101.D	04/13/12 11:27
12D0361	EDB ICAL 5 (0.15ppb)	2D10802-CAL5	006R0101.D	04/13/12 11:49
12D0361	EDB ICAL 5 (0.15ppb)	2D10802-CAL5	006F0101.D	04/13/12 11:49
12D0362	EDB ICAL 6 (0.2ppb)	2D10802-CAL6	007F0101.D	04/13/12 12:10
12D0362	EDB ICAL 6 (0.2ppb)	2D10802-CAL6	007R0101.D	04/13/12 12:10
12D0363	EDB ICAL 7 (0.4ppb)	2D10802-CAL7	008F0101.D	04/13/12 12:31
12D0363	EDB ICAL 7 (0.4ppb)	2D10802-CAL7	008R0101.D	04/13/12 12:31
12D0364	EDB ICAL 8 (0.5ppb)	2D10802-CAL8	009F0101.D	04/13/12 12:53
12D0364	EDB ICAL 8 (0.5ppb)	2D10802-CAL8	009R0101.D	04/13/12 12:53
12D0365	EDB ICAL 9 (1.0ppb)	2D10802-CAL9	010R0101.D	04/13/12 13:14
12D0365	EDB ICAL 9 (1.0ppb)	2D10802-CAL9	010F0101.D	04/13/12 13:14

INITIAL CALIBRATION DATA

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2108003	Instrument:	GL-ECD2	
Matrix:	Water	Calibration Dates:	4/13/12_10:24	4/13/12_13:14

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,2-Dibromoethane	0.02	234350	0.03	163033.3	0.05	113700	0.1	76040	0.15	64133.33	0.2	56065
1,2-Dibromoethane [2C]	0.02	50900	0.03	48733.33	0.05	39820	0.1	44150	0.15	44933.33	0.2	40870
1,2-Dibromo-3-chloropropane	0.02	195550	0.03	149766.7	0.05	118780	0.1	93640	0.15	85113.34	0.2	76330
1,2-Dibromo-3-chloropropane [2C]	0.02	416250	0.03	302966.7	0.05	213080	0.1	141420	0.15	117820	0.2	102315

INITIAL CALIBRATION DATA (Continued)

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2108003	Instrument:	GL-ECD2	
Matrix:	Water	Calibration Dates:	4/13/12 10:24	4/13/12 13:14

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,2-Dibromoethane	0.4	45147.5	0.5	42614	1	35537						
1,2-Dibromoethane [2C]	0.4	38130	0.5	36230	1	33802						
1,2-Dibromo-3-chloropropane	0.4	63437.5	0.5	59714	1	51387						
1,2-Dibromo-3-chloropropane [2C]	0.4	79512.5	0.5	74702	1	66819						

INITIAL CALIBRATION DATA (Continued)

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2108003	Instrument:	GL-ECD2	
Matrix:	Water	Calibration Dates:	4/13/12 10:24	4/13/12 13:14

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,2-Dibromoethane	92291.13	72.60867	2.397667	0.1579833		0.9999566	0.995	
1,2-Dibromoethane [2C]	41952.07	13.56968	2.269556	5.571845E-02	0.9964529		0.995	
1,2-Dibromo-3-chloropropane	99302.06	47.90027	8.479555	1.880337E-02		0.99965	0.995	
1,2-Dibromo-3-chloropropane [2C]	168320.6	71.59714	8.67	1.635293E-02	0.9991172		0.995	

INITIAL CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2108003
Lab File ID:	011F0101.D	Calibration Date:	04/13/12 09:34
Sequence:	2D10802	Injection Date:	04/13/12
Lab Sample ID:	2D10802-ICV1	Injection Time:	13:35

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4962	92291.13	42294		-0.8	20
1,2-Dibromoethane [2C]	L	0.5000	0.5064	41952.07	35958		1.3	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2108003
Lab File ID:	007F0101.D	Calibration Date:	04/13/12 09:34
Sequence:	2E13708	Injection Date:	05/15/12
Lab Sample ID:	2E13708-CCV2	Injection Time:	13:12

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.5578	92291.13	46088		11.6	20
1,2-Dibromoethane [2C]	L	0.5000	0.4923	41952.07	35014		-1.5	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2108003
Lab File ID:	018F0101.D	Calibration Date:	04/13/12 09:34
Sequence:	2E13708	Injection Date:	05/15/12
Lab Sample ID:	2E13708-CCV3	Injection Time:	17:28

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4186	92291.13	37382		-16.3	20
1,2-Dibromoethane [2C]	L	0.5000	0.4120	41952.07	29612		-17.6	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2108003
Lab File ID:	027F0101.D	Calibration Date:	04/13/12 09:34
Sequence:	2E14513	Injection Date:	05/17/12
Lab Sample ID:	2E14513-CCV1	Injection Time:	18:44

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4736	92291.13	40876		-5.3	20
1,2-Dibromoethane [2C]	L	0.5000	0.4738	41952.07	33772		-5.2	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2108003
Lab File ID:	035F0101.D	Calibration Date:	04/13/12 09:34
Sequence:	2E14513	Injection Date:	05/17/12
Lab Sample ID:	2E14513-CCV2	Injection Time:	21:33

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4174	92291.13	37304		-16.5	20
1,2-Dibromoethane [2C]	L	0.5000	0.4327	41952.07	31008		-13.5	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2108003
Lab File ID:	002F0101.D	Calibration Date:	04/13/12 09:34
Sequence:	2E14514	Injection Date:	05/22/12
Lab Sample ID:	2E14514-CCV1	Injection Time:	10:19

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.5435	92291.13	45214		8.7	20
1,2-Dibromoethane [2C]	L	0.5000	0.4698	41952.07	33498		-6.0	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2108003
Lab File ID:	019F0101.D	Calibration Date:	04/13/12 09:34
Sequence:	2E14514	Injection Date:	05/22/12
Lab Sample ID:	2E14514-CCV2	Injection Time:	20:40

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.5337	92291.13	44614		6.7	20
1,2-Dibromoethane [2C]	L	0.5000	0.4886	41952.07	34766		-2.3	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2108003
Lab File ID:	030F0101.D	Calibration Date:	04/13/12 09:34
Sequence:	2E14514	Injection Date:	05/23/12
Lab Sample ID:	2E14514-CCV3	Injection Time:	00:33

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4827	92291.13	41452		-3.5	20
1,2-Dibromoethane [2C]	L	0.5000	0.4253	41952.07	30506		-14.9	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2108003
Lab File ID:	035F0101.D	Calibration Date:	04/13/12 09:34
Sequence:	2E14514	Injection Date:	05/23/12
Lab Sample ID:	2E14514-CCV4	Injection Time:	05:55

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4529	92291.13	39572		-9.4	20
1,2-Dibromoethane [2C]	L	0.5000	0.4377	41952.07	31344		-12.5	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2108003
Lab File ID:	038F0101.D	Calibration Date:	04/13/12 09:34
Sequence:	2E14514	Injection Date:	05/23/12
Lab Sample ID:	2E14514-CCV5	Injection Time:	13:51

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.5469	92291.13	45424		9.4	20
1,2-Dibromoethane [2C]	L	0.5000	0.4848	41952.07	34512		-3.0	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2108003
Lab File ID:	002F0101.D	Calibration Date:	04/13/12 09:34
Sequence:	2E15033	Injection Date:	05/24/12
Lab Sample ID:	2E15033-CCV1	Injection Time:	12:38

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.5878	92291.13	47902		17.6	20
1,2-Dibromoethane [2C]	L	0.5000	0.4986	41952.07	35440		-0.3	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2108003
Lab File ID:	005F0101.D	Calibration Date:	04/13/12 09:34
Sequence:	2E15033	Injection Date:	05/24/12
Lab Sample ID:	2E15033-CCV2	Injection Time:	13:43

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.5935	92291.13	48248		18.7	20
1,2-Dibromoethane [2C]	L	0.5000	0.5093	41952.07	36156		1.9	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

HOLDING TIME SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
GW0517	05/07/12 15:44	05/09/12 08:20	05/22/12 13:36	N/A	14.00	05/24/12 12:59	16.84	14.00	*
GW0518	05/07/12 11:59	05/09/12 08:20	05/22/12 13:36	N/A	14.00	05/22/12 17:28	15.19	14.00	*
GW0563	05/07/12 15:51	05/09/12 08:20	05/22/12 13:36	N/A	14.00	05/22/12 17:49	15.04	14.00	*
GW0564	05/07/12 13:24	05/09/12 08:20	05/22/12 13:36	N/A	14.00	05/22/12 18:11	15.16	14.00	*
GW0565	05/07/12 11:09	05/09/12 08:20	05/22/12 13:36	N/A	14.00	05/22/12 18:32	15.27	14.00	*
GW0587	05/08/12 13:28	05/09/12 08:20	05/22/12 13:36	N/A	14.00	05/22/12 18:53	14.18	14.00	
GW0588	05/08/12 11:03	05/09/12 08:20	05/22/12 13:36	N/A	14.00	05/22/12 19:14	14.30	14.00	
GW0589	05/08/12 11:03	05/09/12 08:20	05/22/12 13:36	N/A	14.00	05/22/12 19:36	14.31	14.00	
GW0610	05/08/12 12:45	05/09/12 08:20	05/22/12 13:36	N/A	14.00	05/22/12 19:57	14.26	14.00	
GW0611	05/08/12 12:45	05/09/12 08:20	05/22/12 13:36	N/A	14.00	05/22/12 20:18	14.27	14.00	
GW0612	05/08/12 10:31	05/09/12 08:20	05/22/12 13:36	N/A	14.00	05/22/12 21:01	14.40	14.00	
GW0511	05/09/12 11:13	05/10/12 08:20	05/22/12 13:36	N/A	14.00	05/22/12 21:43	13.40	14.00	
GW0512	05/09/12 11:13	05/10/12 08:20	05/22/12 13:36	N/A	14.00	05/22/12 22:26	13.43	14.00	
GW0570	05/09/12 13:09	05/10/12 08:20	05/22/12 13:36	N/A	14.00	05/23/12 13:13	13.96	14.00	
GW0586	05/08/12 15:27	05/10/12 08:20	05/22/12 13:36	N/A	14.00	05/22/12 23:08	14.28	14.00	
GW0599	05/09/12 09:59	05/10/12 08:20	05/22/12 13:36	N/A	14.00	05/22/12 23:29	13.52	14.00	
GW0600	05/09/12 09:59	05/10/12 08:20	05/22/12 13:36	N/A	14.00	05/22/12 23:51	13.54	14.00	
GW0609	05/08/12 15:01	05/10/12 08:20	05/22/12 13:36	N/A	14.00	05/23/12 00:12	14.34	14.00	
GW0508	05/09/12 15:58	05/11/12 08:20	05/22/12 13:36	N/A	14.00	05/23/12 01:37	13.36	14.00	
GW0509	05/10/12 11:21	05/11/12 08:20	05/15/12 08:06	N/A	14.00	05/15/12 14:58	5.11	14.00	
GW0513	05/09/12 15:48	05/11/12 08:20	05/15/12 08:06	N/A	14.00	05/17/12 20:09	8.14	14.00	
GW0583	05/10/12 15:38	05/11/12 08:20	05/15/12 08:06	N/A	14.00	05/17/12 20:51	7.18	14.00	
GW0584	05/10/12 11:10	05/11/12 08:20	05/15/12 08:06	N/A	14.00	05/15/12 16:02	5.16	14.00	
GW0585	05/14/12 11:43	05/15/12 08:30	05/15/12 08:06	N/A	14.00	05/15/12 16:24	1.15	14.00	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2E15009-BS1	File ID:	009F0101.D
Sampled:		Prepared:		Analyzed:	05/15/12 14:15
Solids:		Preparation:	EDB	Dilution:	

Batch: 2E15009 Sequence: 2E13708 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.5508	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2E15009-BS1	File ID:	009R0101.D
Sampled:		Prepared:		Analyzed:	05/15/12 14:15
Solids:		Preparation:	EDB	Dilution:	

Batch: 2E15009 Sequence: 2E13708 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.4760	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2E15009-BSD1	File ID:	010F0101.D
Sampled:		Prepared:		Analyzed:	05/15/12 14:36
Solids:		Preparation:	EDB	Dilution:	

Batch: 2E15009 Sequence: 2E13708 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.5464	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2E15009-BSD1	File ID:	010R0101.D
Sampled:		Prepared:		Analyzed:	05/15/12 14:36
Solids:		Preparation:	EDB	Dilution:	

Batch: 2E15009 Sequence: 2E13708 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.4954	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2E22019-BS1	File ID:	007F0101.D
Sampled:		Prepared:		Analyzed:	05/22/12 16:25
Solids:		Preparation:	EDB	Dilution:	

Batch: 2E22019 Sequence: 2E14514 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.5430	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2E22019-BS1	File ID:	007R0101.D
Sampled:		Prepared:		Analyzed:	05/22/12 16:25
Solids:		Preparation:	EDB	Dilution:	

Batch: 2E22019 Sequence: 2E14514 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.5207	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2E22019-BSD1	File ID:	008F0101.D
Sampled:		Prepared:		Analyzed:	05/22/12 16:46
Solids:		Preparation:	EDB	Dilution:	

Batch: 2E22019 Sequence: 2E14514 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.5700	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_053
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2E22019-BSD1	File ID:	008R0101.D
Sampled:		Prepared:		Analyzed:	05/22/12 16:46
Solids:		Preparation:	EDB	Dilution:	

Batch: 2E22019 Sequence: 2E14514 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.5225	0.0100	0.0200	0.0300	

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0509

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1205080-03

Date(s) Analyzed: 05/15/2012 05/15/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.34	2.37	2.43	0.283	
	2	2.22	2.24	2.30	0.268	6

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0513

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1205080-05RE1

Date(s) Analyzed: 05/17/2012 05/17/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.28	2.37	2.43	6.44	
	2	2.16	2.24	2.30	6.07	6

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0583

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1205080-07RE1 Date(s) Analyzed: 05/17/2012 05/17/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.28	2.37	2.43	245	
	2	2.16	2.24	2.30	222	10

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2E15009-BS1

Date(s) Analyzed: 05/15/2012 05/15/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.34	2.37	2.43	0.5508	
	2	2.21	2.24	2.30	0.4760	15

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS Dup

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2E15009-BSD1

Date(s) Analyzed: 05/15/2012 05/15/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.34	2.37	2.43	0.5464	
	2	2.22	2.24	2.30	0.4954	10

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0517

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1205054-01RE2

Date(s) Analyzed: 05/24/2012 05/24/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.24	2.37	2.43	320	
	2	2.12	2.24	2.30	255	23

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0563

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1205054-05

Date(s) Analyzed: 05/22/2012 05/22/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.28	2.37	2.43	143	
	2	2.16	2.24	2.30	129	10

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0587

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1205054-11

Date(s) Analyzed: 05/22/2012 05/22/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.26	2.37	2.43	1.19	
	2	2.14	2.24	2.30	0.967	21

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0511

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1205070-01RE1

Date(s) Analyzed: 05/22/2012 05/22/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.25	2.37	2.43	3.68	
	2	2.13	2.24	2.30	2.91	23

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0512

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1205070-03RE1

Date(s) Analyzed: 05/22/2012 05/22/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.25	2.37	2.43	4.06	
	2	2.13	2.24	2.30	3.01	30

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0570

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1205070-05RE1

Date(s) Analyzed: 05/23/2012 05/23/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.24	2.37	2.43	43.9	
	2	2.11	2.24	2.30	41.1	7

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0586

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1205070-07RE1

Date(s) Analyzed: 05/22/2012 05/22/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.25	2.37	2.43	4.55	
	2	2.13	2.24	2.30	3.13	37

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0599

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1205070-09 Date(s) Analyzed: 05/22/2012 05/22/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.24	2.37	2.43	0.0563	
	2	2.13	2.24	2.30	0.0626	11

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0600

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1205070-11

Date(s) Analyzed: 05/22/2012 05/22/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.24	2.37	2.43	0.0626	
	2	2.13	2.24	2.30	0.0628	0

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0508

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1205080-01RE1

Date(s) Analyzed: 05/23/2012 05/23/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.24	2.37	2.43	4.15	
	2	2.13	2.24	2.30	3.17	27

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2E22019-BS1 Date(s) Analyzed: 05/22/2012 05/22/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.27	2.37	2.43	0.5430	
	2	2.15	2.24	2.30	0.5207	4

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS Dup

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2E22019-BSD1 Date(s) Analyzed: 05/22/2012 05/22/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.27	2.37	2.43	0.5700	
	2	2.16	2.24	2.30	0.5225	9

Data for SW6010B Forms

ANALYSIS DATA SHEET

GW0517

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-01
Sampled:	05/07/12 15:44	Received:	05/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	71900	1000	2000	5000	1		SW6010B	2E16024	05/17/12 20:20
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E16024	05/17/12 20:20
7439-95-4	Magnesium	9850	1000	3000	5000	1		SW6010B	2E16024	05/17/12 20:20
7440-09-7	Potassium	2870	1000	3000	5000	1	J	SW6010B	2E16024	05/17/12 20:20
7440-23-5	Sodium	31600	1000	3000	5000	1		SW6010B	2E16024	05/17/12 20:20

ANALYSIS DATA SHEET

GW0517

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-02
Sampled:	05/07/12 15:44	Received:	05/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	526	30.0	60.0	100	1		SW6010B	2E18002	05/18/12 16:12
7439-96-5	Manganese (dissolved)	1370	3.00	6.00	15.0	1		SW6010B	2E18002	05/18/12 16:12

ANALYSIS DATA SHEET

GW0518

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-03
Sampled:	05/07/12 11:59	Received:	05/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	43900	1000	2000	5000	1		SW6010B	2E16024	05/17/12 20:25
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E16024	05/17/12 20:25
7439-95-4	Magnesium	5220	1000	3000	5000	1		SW6010B	2E16024	05/17/12 20:25
7440-09-7	Potassium	2280	1000	3000	5000	1	J	SW6010B	2E16024	05/17/12 20:25
7440-23-5	Sodium	21100	1000	3000	5000	1		SW6010B	2E16024	05/17/12 20:25

ANALYSIS DATA SHEET

GW0518

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-04
Sampled:	05/07/12 11:59	Received:	05/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2E18002	05/18/12 16:31
7439-96-5	Manganese (dissolved)	3.27	3.00	6.00	15.0	1	J	SW6010B	2E18002	05/18/12 16:31

ANALYSIS DATA SHEET

GW0563

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-05
Sampled:	05/07/12 15:51	Received:	05/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	78100	1000	2000	5000	1		SW6010B	2E16024	05/17/12 20:29
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E16024	05/17/12 20:29
7439-95-4	Magnesium	11300	1000	3000	5000	1		SW6010B	2E16024	05/17/12 20:29
7440-09-7	Potassium	3290	1000	3000	5000	1	J	SW6010B	2E16024	05/17/12 20:29
7440-23-5	Sodium	31600	1000	3000	5000	1		SW6010B	2E16024	05/17/12 20:29

ANALYSIS DATA SHEET

GW0563

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-06
Sampled:	05/07/12 15:51	Received:	05/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	2880	30.0	60.0	100	1		SW6010B	2E18002	05/18/12 16:35
7439-96-5	Manganese (dissolved)	1680	3.00	6.00	15.0	1		SW6010B	2E18002	05/18/12 16:35

ANALYSIS DATA SHEET

GW0564

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 05/07/12 13:24
% Solids: 0.00

SDG: Kirtland_053
Project: Kirtland AFB 2011
Laboratory ID: 1205054-07
Received: 05/09/12 08:20

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	45300	1000	2000	5000	1		SW6010B	2E16024	05/17/12 20:34
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E16024	05/17/12 20:34
7439-95-4	Magnesium	6030	1000	3000	5000	1		SW6010B	2E16024	05/17/12 20:34
7440-09-7	Potassium	2470	1000	3000	5000	1	J	SW6010B	2E16024	05/17/12 20:34
7440-23-5	Sodium	24800	1000	3000	5000	1		SW6010B	2E16024	05/17/12 20:34

ANALYSIS DATA SHEET

GW0564

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-08
Sampled:	05/07/12 13:24	Received:	05/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2E18002	05/18/12 16:40
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2E18002	05/18/12 16:40

ANALYSIS DATA SHEET

GW0565

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-09
Sampled:	05/07/12 11:09	Received:	05/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	33100	1000	2000	5000	1		SW6010B	2E16024	05/17/12 20:39
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E16024	05/17/12 20:39
7439-95-4	Magnesium	4310	1000	3000	5000	1	J	SW6010B	2E16024	05/17/12 20:39
7440-09-7	Potassium	2070	1000	3000	5000	1	J	SW6010B	2E16024	05/17/12 20:39
7440-23-5	Sodium	21800	1000	3000	5000	1		SW6010B	2E16024	05/17/12 20:39

ANALYSIS DATA SHEET

GW0565

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-10
Sampled:	05/07/12 11:09	Received:	05/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2E18002	05/18/12 16:44
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2E18002	05/18/12 16:44

ANALYSIS DATA SHEET

GW0587

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-11
Sampled:	05/08/12 13:28	Received:	05/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	146000	1000	2000	5000	1		SW6010B	2E16024	05/17/12 20:43
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E16024	05/17/12 20:43
7439-95-4	Magnesium	21800	1000	3000	5000	1		SW6010B	2E16024	05/17/12 20:43
7440-09-7	Potassium	4180	1000	3000	5000	1	J	SW6010B	2E16024	05/17/12 20:43
7440-23-5	Sodium	43900	1000	3000	5000	1		SW6010B	2E16024	05/17/12 20:43

ANALYSIS DATA SHEET

GW0587

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-12
Sampled:	05/08/12 13:28	Received:	05/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	2520	30.0	60.0	100	1		SW6010B	2E18002	05/18/12 16:49
7439-96-5	Manganese (dissolved)	4870	3.00	6.00	15.0	1		SW6010B	2E18002	05/18/12 16:49

ANALYSIS DATA SHEET

GW0588

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-13
Sampled:	05/08/12 11:03	Received:	05/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	33900	1000	2000	5000	1		SW6010B	2E16024	05/17/12 20:48
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E16024	05/17/12 20:48
7439-95-4	Magnesium	4440	1000	3000	5000	1	J	SW6010B	2E16024	05/17/12 20:48
7440-09-7	Potassium	2060	1000	3000	5000	1	J	SW6010B	2E16024	05/17/12 20:48
7440-23-5	Sodium	21900	1000	3000	5000	1		SW6010B	2E16024	05/17/12 20:48

ANALYSIS DATA SHEET

GW0588

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-14
Sampled:	05/08/12 11:03	Received:	05/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2E18002	05/18/12 16:53
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2E18002	05/18/12 16:53

ANALYSIS DATA SHEET

GW0589

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-15
Sampled:	05/08/12 11:03	Received:	05/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	34800	1000	2000	5000	1		SW6010B	2E16024	05/17/12 20:52
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E16024	05/17/12 20:52
7439-95-4	Magnesium	4550	1000	3000	5000	1	J	SW6010B	2E16024	05/17/12 20:52
7440-09-7	Potassium	2110	1000	3000	5000	1	J	SW6010B	2E16024	05/17/12 20:52
7440-23-5	Sodium	22400	1000	3000	5000	1		SW6010B	2E16024	05/17/12 20:52

ANALYSIS DATA SHEET

GW0589

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-16
Sampled:	05/08/12 11:03	Received:	05/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2E18002	05/18/12 16:58
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2E18002	05/18/12 16:58

ANALYSIS DATA SHEET

GW0610

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 05/08/12 12:45
% Solids: 0.00

SDG: Kirtland_053
Project: Kirtland AFB 2011
Laboratory ID: 1205054-17
Received: 05/09/12 08:20

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	49200	1000	2000	5000	1		SW6010B	2E16024	05/17/12 20:57
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E16024	05/17/12 20:57
7439-95-4	Magnesium	6780	1000	3000	5000	1		SW6010B	2E16024	05/17/12 20:57
7440-09-7	Potassium	2690	1000	3000	5000	1	J	SW6010B	2E16024	05/17/12 20:57
7440-23-5	Sodium	24000	1000	3000	5000	1		SW6010B	2E16024	05/17/12 20:57

ANALYSIS DATA SHEET

GW0610

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-18
Sampled:	05/08/12 12:45	Received:	05/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2E18002	05/18/12 17:02
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2E18002	05/18/12 17:02

ANALYSIS DATA SHEET

GW0611

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 05/08/12 12:45
% Solids: 0.00

SDG: Kirtland_053
Project: Kirtland AFB 2011
Laboratory ID: 1205054-19
Received: 05/09/12 08:20

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	50200	1000	2000	5000	1		SW6010B	2E16024	05/17/12 21:14
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E16024	05/17/12 21:14
7439-95-4	Magnesium	6980	1000	3000	5000	1		SW6010B	2E16024	05/17/12 21:14
7440-09-7	Potassium	2730	1000	3000	5000	1	J	SW6010B	2E16024	05/17/12 21:14
7440-23-5	Sodium	24500	1000	3000	5000	1		SW6010B	2E16024	05/17/12 21:14

ANALYSIS DATA SHEET

GW0611

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-20
Sampled:	05/08/12 12:45	Received:	05/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2E18002	05/18/12 17:07
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2E18002	05/18/12 17:07

ANALYSIS DATA SHEET

GW0612

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-21
Sampled:	05/08/12 10:31	Received:	05/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	39900	1000	2000	5000	1		SW6010B	2E16024	05/17/12 21:19
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E16024	05/17/12 21:19
7439-95-4	Magnesium	5490	1000	3000	5000	1		SW6010B	2E16024	05/17/12 21:19
7440-09-7	Potassium	2490	1000	3000	5000	1	J	SW6010B	2E16024	05/17/12 21:19
7440-23-5	Sodium	22200	1000	3000	5000	1		SW6010B	2E16024	05/17/12 21:19

ANALYSIS DATA SHEET

GW0612

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-22
Sampled:	05/08/12 10:31	Received:	05/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2E18002	05/18/12 17:24
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2E18002	05/18/12 17:24

ANALYSIS DATA SHEET

GW8050-RB

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-23
Sampled:	05/07/12 08:40	Received:	05/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium		1000	2000	5000	1	U	SW6010B	2E16024	05/17/12 21:23
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E16024	05/17/12 21:23
7439-95-4	Magnesium		1000	3000	5000	1	U	SW6010B	2E16024	05/17/12 21:23
7440-09-7	Potassium		1000	3000	5000	1	U	SW6010B	2E16024	05/17/12 21:23
7440-23-5	Sodium		1000	3000	5000	1	U	SW6010B	2E16024	05/17/12 21:23

ANALYSIS DATA SHEET

GW8050-RB

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-24
Sampled:	05/07/12 08:40	Received:	05/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2E18002	05/18/12 17:29
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2E18002	05/18/12 17:29

ANALYSIS DATA SHEET

GW0511

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-01
Sampled:	05/09/12 11:13	Received:	05/10/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	54300	1000	2000	5000	1		SW6010B	2E16024	05/17/12 21:28
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E16024	05/17/12 21:28
7439-95-4	Magnesium	7840	1000	3000	5000	1		SW6010B	2E16024	05/17/12 21:28
7440-09-7	Potassium	2530	1000	3000	5000	1	J	SW6010B	2E16024	05/17/12 21:28
7440-23-5	Sodium	27200	1000	3000	5000	1		SW6010B	2E16024	05/17/12 21:28

ANALYSIS DATA SHEET

GW0511

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-02
Sampled:	05/09/12 11:13	Received:	05/10/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	159	30.0	60.0	100	1		SW6010B	2E18002	05/18/12 17:33
7439-96-5	Manganese (dissolved)	1350	3.00	6.00	15.0	1		SW6010B	2E18002	05/18/12 17:33

ANALYSIS DATA SHEET

GW0512

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-03
Sampled:	05/09/12 11:13	Received:	05/10/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	54900	1000	2000	5000	1		SW6010B	2E16024	05/17/12 21:33
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E16024	05/17/12 21:33
7439-95-4	Magnesium	7930	1000	3000	5000	1		SW6010B	2E16024	05/17/12 21:33
7440-09-7	Potassium	2550	1000	3000	5000	1	J	SW6010B	2E16024	05/17/12 21:33
7440-23-5	Sodium	27400	1000	3000	5000	1		SW6010B	2E16024	05/17/12 21:33

ANALYSIS DATA SHEET

GW0512

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-04
Sampled:	05/09/12 11:13	Received:	05/10/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	169	30.0	60.0	100	1		SW6010B	2E18002	05/18/12 17:38
7439-96-5	Manganese (dissolved)	1450	3.00	6.00	15.0	1		SW6010B	2E18002	05/18/12 17:38

ANALYSIS DATA SHEET

GW0570

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-05
Sampled:	05/09/12 13:09	Received:	05/10/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	93500	1000	2000	5000	1		SW6010B	2E16024	05/17/12 21:37
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E16024	05/17/12 21:37
7439-95-4	Magnesium	13300	1000	3000	5000	1		SW6010B	2E16024	05/17/12 21:37
7440-09-7	Potassium	3370	1000	3000	5000	1	J	SW6010B	2E16024	05/17/12 21:37
7440-23-5	Sodium	35200	1000	3000	5000	1		SW6010B	2E16024	05/17/12 21:37

ANALYSIS DATA SHEET

GW0570

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-06
Sampled:	05/09/12 13:09	Received:	05/10/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	2060	30.0	60.0	100	1		SW6010B	2E18002	05/18/12 17:43
7439-96-5	Manganese (dissolved)	2100	3.00	6.00	15.0	1		SW6010B	2E18002	05/18/12 17:43

ANALYSIS DATA SHEET

GW0586

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 05/08/12 15:27
% Solids: 0.00

SDG: Kirtland_053
Project: Kirtland AFB 2011
Laboratory ID: 1205070-07
Received: 05/10/12 08:20

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	156000	1000	2000	5000	1		SW6010B	2E16024	05/17/12 21:42
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E16024	05/17/12 21:42
7439-95-4	Magnesium	23100	1000	3000	5000	1		SW6010B	2E16024	05/17/12 21:42
7440-09-7	Potassium	4260	1000	3000	5000	1	J	SW6010B	2E16024	05/17/12 21:42
7440-23-5	Sodium	44700	1000	3000	5000	1		SW6010B	2E16024	05/17/12 21:42

ANALYSIS DATA SHEET

GW0586

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-08
Sampled:	05/08/12 15:27	Received:	05/10/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	8050	30.0	60.0	100	1		SW6010B	2E18002	05/18/12 17:47
7439-96-5	Manganese (dissolved)	5310	3.00	6.00	15.0	1		SW6010B	2E18002	05/18/12 17:47

ANALYSIS DATA SHEET

GW0599

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-09
Sampled:	05/09/12 09:59	Received:	05/10/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	54100	1000	2000	5000	1		SW6010B	2E18001	05/24/12 16:23
7440-09-7	Potassium	2690	1000	3000	5000	1	J	SW6010B	2E18001	05/24/12 16:23
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E18001	05/24/12 16:23
7439-95-4	Magnesium	6630	1000	3000	5000	1		SW6010B	2E18001	05/24/12 16:23
7440-23-5	Sodium	26800	1000	3000	5000	1		SW6010B	2E18001	05/24/12 16:23

ANALYSIS DATA SHEET

GW0599

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-10
Sampled:	05/09/12 09:59	Received:	05/10/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2E18002	05/18/12 17:52
7439-96-5	Manganese (dissolved)	6.93	3.00	6.00	15.0	1	J	SW6010B	2E18002	05/18/12 17:52

ANALYSIS DATA SHEET

GW0600

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-11
Sampled:	05/09/12 09:59	Received:	05/10/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	54000	1000	2000	5000	1		SW6010B	2E18001	05/24/12 16:28
7440-09-7	Potassium	2690	1000	3000	5000	1	J	SW6010B	2E18001	05/24/12 16:28
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E18001	05/24/12 16:28
7439-95-4	Magnesium	6640	1000	3000	5000	1		SW6010B	2E18001	05/24/12 16:28
7440-23-5	Sodium	26700	1000	3000	5000	1		SW6010B	2E18001	05/24/12 16:28

ANALYSIS DATA SHEET

GW0600

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-12
Sampled:	05/09/12 09:59	Received:	05/10/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2E18002	05/18/12 17:57
7439-96-5	Manganese (dissolved)	5.42	3.00	6.00	15.0	1	J	SW6010B	2E18002	05/18/12 17:57

ANALYSIS DATA SHEET

GW0609

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-13
Sampled:	05/08/12 15:01	Received:	05/10/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	65500	1000	2000	5000	1		SW6010B	2E18001	05/24/12 16:32
7440-09-7	Potassium	2850	1000	3000	5000	1	J	SW6010B	2E18001	05/24/12 16:32
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E18001	05/24/12 16:32
7439-95-4	Magnesium	8770	1000	3000	5000	1		SW6010B	2E18001	05/24/12 16:32
7440-23-5	Sodium	28500	1000	3000	5000	1		SW6010B	2E18001	05/24/12 16:32

ANALYSIS DATA SHEET

GW0609

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-14
Sampled:	05/08/12 15:01	Received:	05/10/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2E18002	05/18/12 18:01
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2E18002	05/18/12 18:01

ANALYSIS DATA SHEET

GW0508

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-01
Sampled:	05/09/12 15:58	Received:	05/11/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	147000	1000	2000	5000	1		SW6010B	2E18001	05/24/12 16:37
7440-09-7	Potassium	4810	1000	3000	5000	1	J	SW6010B	2E18001	05/24/12 16:37
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E18001	05/24/12 16:37
7439-95-4	Magnesium	22100	1000	3000	5000	1		SW6010B	2E18001	05/24/12 16:37
7440-23-5	Sodium	73900	1000	3000	5000	1		SW6010B	2E18001	05/24/12 16:37

ANALYSIS DATA SHEET

GW0508

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-02
Sampled:	05/09/12 15:58	Received:	05/11/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	147	30.0	60.0	100	1		SW6010B	2E23027	05/24/12 20:48
7439-96-5	Manganese (dissolved)	2950	3.00	6.00	15.0	1		SW6010B	2E23027	05/24/12 20:48

ANALYSIS DATA SHEET

GW0509

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-03
Sampled:	05/10/12 11:21	Received:	05/11/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	49700	1000	2000	5000	1		SW6010B	2E18001	05/24/12 16:41
7440-09-7	Potassium	2280	1000	3000	5000	1	J	SW6010B	2E18001	05/24/12 16:41
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E18001	05/24/12 16:41
7439-95-4	Magnesium	6630	1000	3000	5000	1		SW6010B	2E18001	05/24/12 16:41
7440-23-5	Sodium	26700	1000	3000	5000	1		SW6010B	2E18001	05/24/12 16:41

ANALYSIS DATA SHEET

GW0509

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-04
Sampled:	05/10/12 11:21	Received:	05/11/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	92.5	30.0	60.0	100	1	J	SW6010B	2E23027	05/24/12 20:53
7439-96-5	Manganese (dissolved)	178	3.00	6.00	15.0	1		SW6010B	2E23027	05/24/12 20:53

ANALYSIS DATA SHEET

GW0513

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-05
Sampled:	05/09/12 15:48	Received:	05/11/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	174000	1000	2000	5000	1		SW6010B	2E18001	05/24/12 16:46
7440-09-7	Potassium	4480	1000	3000	5000	1	J	SW6010B	2E18001	05/24/12 16:46
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E18001	05/24/12 16:46
7439-95-4	Magnesium	26300	1000	3000	5000	1		SW6010B	2E18001	05/24/12 16:46
7440-23-5	Sodium	46300	1000	3000	5000	1		SW6010B	2E18001	05/24/12 16:46

ANALYSIS DATA SHEET

GW0513

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-06
Sampled:	05/09/12 15:48	Received:	05/11/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	6600	30.0	60.0	100	1		SW6010B	2E23027	05/24/12 20:58
7439-96-5	Manganese (dissolved)	6010	3.00	6.00	15.0	1		SW6010B	2E23027	05/24/12 20:58

ANALYSIS DATA SHEET

GW0583

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-07
Sampled:	05/10/12 15:38	Received:	05/11/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	144000	1000	2000	5000	1		SW6010B	2E18001	05/24/12 16:51
7440-09-7	Potassium	3890	1000	3000	5000	1	J	SW6010B	2E18001	05/24/12 16:51
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E18001	05/24/12 16:51
7439-95-4	Magnesium	21300	1000	3000	5000	1		SW6010B	2E18001	05/24/12 16:51
7440-23-5	Sodium	56500	1000	3000	5000	1		SW6010B	2E18001	05/24/12 16:51

ANALYSIS DATA SHEET

GW0583

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-08
Sampled:	05/10/12 15:38	Received:	05/11/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	2860	30.0	60.0	100	1		SW6010B	2E23027	05/24/12 21:02
7439-96-5	Manganese (dissolved)	2920	3.00	6.00	15.0	1		SW6010B	2E23027	05/24/12 21:02

ANALYSIS DATA SHEET

GW0584

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-09
Sampled:	05/10/12 11:10	Received:	05/11/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	34800	1000	2000	5000	1		SW6010B	2E18001	05/24/12 16:55
7440-09-7	Potassium	1970	1000	3000	5000	1	J	SW6010B	2E18001	05/24/12 16:55
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E18001	05/24/12 16:55
7439-95-4	Magnesium	4620	1000	3000	5000	1	J	SW6010B	2E18001	05/24/12 16:55
7440-23-5	Sodium	21700	1000	3000	5000	1		SW6010B	2E18001	05/24/12 16:55

ANALYSIS DATA SHEET

GW0584

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-10
Sampled:	05/10/12 11:10	Received:	05/11/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2E23027	05/24/12 21:07
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2E23027	05/24/12 21:07

ANALYSIS DATA SHEET

GW8051-RB

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-11
Sampled:	05/10/12 08:22	Received:	05/11/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium		1000	2000	5000	1	U	SW6010B	2E18001	05/24/12 17:00
7440-09-7	Potassium		1000	3000	5000	1	U	SW6010B	2E18001	05/24/12 17:00
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E18001	05/24/12 17:00
7439-95-4	Magnesium		1000	3000	5000	1	U	SW6010B	2E18001	05/24/12 17:00
7440-23-5	Sodium		1000	3000	5000	1	U	SW6010B	2E18001	05/24/12 17:00

ANALYSIS DATA SHEET

GW8051-RB

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-12
Sampled:	05/10/12 08:22	Received:	05/11/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2E23027	05/24/12 21:12
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2E23027	05/24/12 21:12

ANALYSIS DATA SHEET

GW0585

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 05/14/12 11:43
% Solids: 0.00

SDG: Kirtland_053
Project: Kirtland AFB 2011
Laboratory ID: 1205096-01
Received: 05/15/12 08:30

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	33200	1000	2000	5000	1		SW6010B	2E18001	05/24/12 17:53
7440-09-7	Potassium	1910	1000	3000	5000	1	J	SW6010B	2E18001	05/24/12 17:53
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E18001	05/24/12 17:53
7439-95-4	Magnesium	4010	1000	3000	5000	1	J	SW6010B	2E18001	05/24/12 17:53
7440-23-5	Sodium	21500	1000	3000	5000	1		SW6010B	2E18001	05/24/12 17:53

ANALYSIS DATA SHEET

GW0585

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205096-02
Sampled:	05/14/12 11:43	Received:	05/15/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2E18002	05/18/12 18:06
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2E18002	05/18/12 18:06

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010B

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: ME-ICP

SDG: Kirtland_053
Project: Kirtland AFB 2011
Calibration: 2145001
Sequence: 2E14501

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2E14501-ICV1	Calcium	50000	52200	104	ug/L	+/- 10.00%
	Lead	1000	971.0	97.1	ug/L	+/- 10.00%
	Magnesium	50000	49050	98.1	ug/L	+/- 10.00%
	Potassium	10000	10020	100	ug/L	+/- 10.00%
	Sodium	50000	52310	105	ug/L	+/- 10.00%
2E14501-CCV1	Calcium	50000	51490	103	ug/L	+/- 10.00%
	Lead	1000	979.1	97.9	ug/L	+/- 10.00%
	Magnesium	50000	48000	96.0	ug/L	+/- 10.00%
	Potassium	10000	10240	102	ug/L	+/- 10.00%
	Sodium	50000	52450	105	ug/L	+/- 10.00%
2E14501-CCV7	Calcium	50000	51250	103	ug/L	+/- 10.00%
	Lead	1000	979.4	97.9	ug/L	+/- 10.00%
	Magnesium	50000	47370	94.7	ug/L	+/- 10.00%
	Potassium	10000	10380	104	ug/L	+/- 10.00%
	Sodium	50000	52000	104	ug/L	+/- 10.00%
2E14501-CCV8	Calcium	50000	50580	101	ug/L	+/- 10.00%
	Lead	1000	977.9	97.8	ug/L	+/- 10.00%
	Magnesium	50000	47400	94.8	ug/L	+/- 10.00%
	Potassium	10000	10120	101	ug/L	+/- 10.00%
	Sodium	50000	51440	103	ug/L	+/- 10.00%
2E14501-CCV9	Calcium	50000	50200	100	ug/L	+/- 10.00%
	Lead	1000	973.1	97.3	ug/L	+/- 10.00%
	Magnesium	50000	47630	95.3	ug/L	+/- 10.00%
	Potassium	10000	10200	102	ug/L	+/- 10.00%
	Sodium	50000	50900	102	ug/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010B

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: ME-ICP

SDG: Kirtland_053
Project: Kirtland AFB 2011
Calibration: 2151001
Sequence: 2E14516

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2E14516-ICV1	Calcium	50000	51470	103	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10530	105	ug/L	+/- 10.00%
	Potassium	10000	9870	98.7	ug/L	+/- 10.00%
	Lead	1000	948.7	94.9	ug/L	+/- 10.00%
	Magnesium	50000	49000	98.0	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1014	101	ug/L	+/- 10.00%
	Sodium	50000	51520	103	ug/L	+/- 10.00%
2E14516-CCV1	Calcium	50000	51490	103	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10640	106	ug/L	+/- 10.00%
	Potassium	10000	9940	99.4	ug/L	+/- 10.00%
	Lead	1000	944.4	94.4	ug/L	+/- 10.00%
	Magnesium	50000	49190	98.4	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	999.7	100	ug/L	+/- 10.00%
	Sodium	50000	51590	103	ug/L	+/- 10.00%
2E14516-CCV4	Calcium	50000	52040	104	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10870	109	ug/L	+/- 10.00%
	Potassium	10000	10290	103	ug/L	+/- 10.00%
	Lead	1000	957.6	95.8	ug/L	+/- 10.00%
	Magnesium	50000	48380	96.8	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	973.5	97.3	ug/L	+/- 10.00%
	Sodium	50000	51800	104	ug/L	+/- 10.00%
2E14516-CCV5	Calcium	50000	50620	101	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10060	101	ug/L	+/- 10.00%
	Potassium	10000	9451	94.5	ug/L	+/- 10.00%
	Lead	1000	944.4	94.4	ug/L	+/- 10.00%
	Magnesium	50000	46860	93.7	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	958.2	95.8	ug/L	+/- 10.00%
	Sodium	50000	51420	103	ug/L	+/- 10.00%
2E14516-CCV6	Calcium	50000	50900	102	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10040	100	ug/L	+/- 10.00%
	Potassium	10000	9457	94.6	ug/L	+/- 10.00%
	Lead	1000	948.9	94.9	ug/L	+/- 10.00%
	Magnesium	50000	46560	93.1	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	949.5	94.9	ug/L	+/- 10.00%
	Sodium	50000	51820	104	ug/L	+/- 10.00%
2E14516-CCV8	Calcium	50000	51190	102	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10060	101	ug/L	+/- 10.00%
	Potassium	10000	9514	95.1	ug/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010B

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: ME-ICP

SDG: Kirtland_053
Project: Kirtland AFB 2011
Calibration: 2151001
Sequence: 2E14516

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2E14516-CCV8	Lead	1000	947.6	94.8	ug/L	+/- 10.00%
	Magnesium	50000	46080	92.2	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	929.1	92.9	ug/L	+/- 10.00%
	Sodium	50000	51780	104	ug/L	+/- 10.00%
2E14516-CCV9	Calcium	50000	51000	102	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10050	100	ug/L	+/- 10.00%
	Potassium	10000	9556	95.6	ug/L	+/- 10.00%
	Lead	1000	947.1	94.7	ug/L	+/- 10.00%
	Magnesium	50000	45330	90.7	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	913.0	91.3	ug/L	+/- 10.00%
	Sodium	50000	51720	103	ug/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010B

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: ME-ICP

SDG: Kirtland_053
Project: Kirtland AFB 2011
Calibration: 2146001
Sequence: 2E14601

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2E14601-ICV1	Calcium (dissolved)	50000	49640	99.3	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10410	104	ug/L	+/- 10.00%
	Lead (dissolved)	1000	1001	100	ug/L	+/- 10.00%
	Magnesium (dissolved)	50000	49560	99.1	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1002	100	ug/L	+/- 10.00%
	Potassium (dissolved)	10000	9586	95.9	ug/L	+/- 10.00%
	Sodium (dissolved)	50000	50710	101	ug/L	+/- 10.00%
2E14601-CCV1	Iron (dissolved)	10000	10610	106	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1019	102	ug/L	+/- 10.00%
2E14601-CCV5	Iron (dissolved)	10000	10530	105	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1024	102	ug/L	+/- 10.00%
2E14601-CCV6	Iron (dissolved)	10000	10680	107	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	999.6	100	ug/L	+/- 10.00%
2E14601-CCV7	Calcium (dissolved)	50000	48360	96.7	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10390	104	ug/L	+/- 10.00%
	Lead (dissolved)	1000	983.6	98.4	ug/L	+/- 10.00%
	Magnesium (dissolved)	50000	47700	95.4	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	980.5	98.1	ug/L	+/- 10.00%
	Potassium (dissolved)	10000	9440	94.4	ug/L	+/- 10.00%
	Sodium (dissolved)	50000	50380	101	ug/L	+/- 10.00%
2E14601-CCV8	Calcium (dissolved)	50000	48280	96.6	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10400	104	ug/L	+/- 10.00%
	Lead (dissolved)	1000	994.8	99.5	ug/L	+/- 10.00%
	Magnesium (dissolved)	50000	48060	96.1	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	975.4	97.5	ug/L	+/- 10.00%
	Potassium (dissolved)	10000	9400	94.0	ug/L	+/- 10.00%
	Sodium (dissolved)	50000	50240	100	ug/L	+/- 10.00%

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_053

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2145001

Sequence: 2E14501

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2E14501-CRL1	Calcium	2000	2135	107	ug/L	80 - 120
	Lead	3.000	2.989	99.6	ug/L	80 - 120
	Magnesium	3000	3074	102	ug/L	80 - 120
	Potassium	3000	2849	95.0	ug/L	80 - 120
	Sodium	3000	3063	102	ug/L	80 - 120

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_053
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 2151001
Sequence: 2E14516

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2E14516-CRL1	Calcium	2000	2121	106	ug/L	80 - 120
	Iron (dissolved)	60.00	62.42	104	ug/L	80 - 120
	Potassium	3000	2811	93.7	ug/L	80 - 120
	Lead	3.000	3.382	113	ug/L	80 - 120
	Magnesium	3000	3005	100	ug/L	80 - 120
	Manganese (dissolved)	6.000	6.298	105	ug/L	80 - 120
	Sodium	3000	3074	102	ug/L	80 - 120

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_053

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2146001

Sequence: 2E14601

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2E14601-CRL1	Calcium (dissolved)	2000	2095	105	ug/L	80 - 120
	Iron (dissolved)	60.00	61.88	103	ug/L	80 - 120
	Lead (dissolved)	3.000	2.979	99.3	ug/L	80 - 120
	Magnesium (dissolved)	3000	3098	103	ug/L	80 - 120
	Manganese (dissolved)	6.000	6.337	106	ug/L	80 - 120
	Potassium (dissolved)	3000	2781	92.7	ug/L	80 - 120
	Sodium (dissolved)	3000	3070	102	ug/L	80 - 120

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_053
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2E14501
Calibration: 2145001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E14501-ICB1	Calcium	4.100	1000	5000	ug/L	U	SW6010B
	Lead	0.5598	1.50	3.00	ug/L	U	SW6010B
	Magnesium	4.620	1000	5000	ug/L	U	SW6010B
	Potassium	11.35	1000	5000	ug/L	U	SW6010B
	Sodium	3.100	1000	5000	ug/L	U	SW6010B
2E14501-CCB1	Calcium	1.93	1000	5000	ug/L	U	SW6010B
	Lead	-0.384	1.50	3.00	ug/L	U	SW6010B
	Magnesium	0.800	1000	5000	ug/L	U	SW6010B
	Potassium	11.8	1000	5000	ug/L	U	SW6010B
	Sodium	0.350	1000	5000	ug/L	U	SW6010B
2E14501-CCB7	Calcium	25.2	1000	5000	ug/L	U	SW6010B
	Lead	1.34	1.50	3.00	ug/L	U	SW6010B
	Magnesium	16.3	1000	5000	ug/L	U	SW6010B
	Potassium	59.2	1000	5000	ug/L	U	SW6010B
	Sodium	16.7	1000	5000	ug/L	U	SW6010B
2E16024-BLK1	Calcium	16.6	1000	5000	ug/L	U	SW6010B
	Lead	0.893	1.50	3.00	ug/L	U	SW6010B
	Magnesium	1.62	1000	5000	ug/L	U	SW6010B
	Potassium	57.5	1000	5000	ug/L	U	SW6010B
	Sodium	-11.0	1000	5000	ug/L	U	SW6010B
2E14501-CCB8	Calcium	2.04	1000	5000	ug/L	U	SW6010B
	Lead	0.933	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-0.820	1000	5000	ug/L	U	SW6010B
	Potassium	67.6	1000	5000	ug/L	U	SW6010B
	Sodium	-5.73	1000	5000	ug/L	U	SW6010B
2E14501-CCB9	Calcium	2.04	1000	5000	ug/L	U	SW6010B
	Lead	1.32	1.50	3.00	ug/L	U	SW6010B
	Magnesium	0.0400	1000	5000	ug/L	U	SW6010B
	Potassium	75.9	1000	5000	ug/L	U	SW6010B
	Sodium	12.2	1000	5000	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_053
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2E14516
Calibration: 2151001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E14516-ICB1	Calcium	-0.1400	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	0.6185	30.0	100	ug/L	U	SW6010B
	Potassium	5.720	1000	5000	ug/L	U	SW6010B
	Lead	0.1425	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-0.6800	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	-0.02418	3.00	15.0	ug/L	U	SW6010B
	Sodium	-0.4800	1000	5000	ug/L	U	SW6010B
2E14516-CCB1	Calcium	6.23	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	-1.63	30.0	100	ug/L	U	SW6010B
	Potassium	24.8	1000	5000	ug/L	U	SW6010B
	Lead	0.0809	1.50	3.00	ug/L	U	SW6010B
	Magnesium	5.12	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.142	3.00	15.0	ug/L	U	SW6010B
	Sodium	7.87	1000	5000	ug/L	U	SW6010B
2E14516-CCB4	Calcium	2.44	1000	5000	ug/L	U	SW6010B
	Potassium	53.0	1000	5000	ug/L	U	SW6010B
	Lead	0.239	1.50	3.00	ug/L	U	SW6010B
	Magnesium	5.64	1000	5000	ug/L	U	SW6010B
	Sodium	109	1000	5000	ug/L	U	SW6010B
2E14516-CCB5	Calcium	3.38	1000	5000	ug/L	U	SW6010B
	Potassium	29.8	1000	5000	ug/L	U	SW6010B
	Lead	0.520	1.50	3.00	ug/L	U	SW6010B
	Magnesium	3.06	1000	5000	ug/L	U	SW6010B
	Sodium	38.9	1000	5000	ug/L	U	SW6010B
2E14516-CCB6	Calcium	1.78	1000	5000	ug/L	U	SW6010B
	Potassium	14.7	1000	5000	ug/L	U	SW6010B
	Lead	0.712	1.50	3.00	ug/L	U	SW6010B
	Magnesium	6.44	1000	5000	ug/L	U	SW6010B
	Sodium	29.0	1000	5000	ug/L	U	SW6010B
2E14516-CCB8	Iron (dissolved)	-0.346	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.237	3.00	15.0	ug/L	U	SW6010B
2E23027-BLK1	Iron (dissolved)	-4.01	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	-0.00680	3.00	15.0	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_053
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2E14516
Calibration: 2151001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E14516-CCB9	Iron (dissolved)	-1.32	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0626	3.00	15.0	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_053
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2E14601
Calibration: 2146001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E14601-ICB1	Calcium (dissolved)	1.770	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	-1.932	30.0	100	ug/L	U	SW6010B
	Lead (dissolved)	-0.2036	1.50	3.00	ug/L	U	SW6010B
	Magnesium (dissolved)	1.060	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	-0.005240	3.00	15.0	ug/L	U	SW6010B
	Potassium (dissolved)	-1.160	1000	5000	ug/L	U	SW6010B
	Sodium (dissolved)	10.47	1000	5000	ug/L	U	SW6010B
2E14601-CCB1	Iron (dissolved)	-2.56	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.122	3.00	15.0	ug/L	U	SW6010B
2E14601-CCB5	Iron (dissolved)	6.85	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.477	3.00	15.0	ug/L	U	SW6010B
2E18002-BLK1	Iron (dissolved)	-0.293	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.248	3.00	15.0	ug/L	U	SW6010B
2E14601-CCB6	Iron (dissolved)	-0.370	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.250	3.00	15.0	ug/L	U	SW6010B
2E14601-CCB7	Calcium (dissolved)	4.95	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	-2.02	30.0	100	ug/L	U	SW6010B
	Lead (dissolved)	-0.237	1.50	3.00	ug/L	U	SW6010B
	Magnesium (dissolved)	-0.690	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.193	3.00	15.0	ug/L	U	SW6010B
	Potassium (dissolved)	11.9	1000	5000	ug/L	U	SW6010B
	Sodium (dissolved)	4.27	1000	5000	ug/L	U	SW6010B
2E18001-BLK1	Calcium	11.7	1000	5000	ug/L	U	SW6010B
	Potassium	-6.40	1000	5000	ug/L	U	SW6010B
	Lead	0.0736	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-2.24	1000	5000	ug/L	U	SW6010B
	Sodium	2.19	1000	5000	ug/L	U	SW6010B
2E14601-CCB8	Calcium (dissolved)	0.940	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	-4.01	30.0	100	ug/L	U	SW6010B
	Lead (dissolved)	-0.153	1.50	3.00	ug/L	U	SW6010B
	Magnesium (dissolved)	-4.01	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.0581	3.00	15.0	ug/L	U	SW6010B
	Potassium (dissolved)	9.78	1000	5000	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_053
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2E14601
Calibration: 2146001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E14601-CCB8	Sodium (dissolved)	5.49	1000	5000	ug/L	U	SW6010B

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_053
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 2145001
Sequence: 2E14501

Lab Sample ID	Analyte	True	Found	%R	Units
2E14501-IFA1	Calcium	500000	495,620.00	99.1	ug/L
	Lead		1.24		ug/L
	Magnesium	500000	483,830.00	96.8	ug/L
	Potassium		37.67		ug/L
	Sodium		44.46		ug/L
2E14501-IFB1	Calcium	500000	488,080.00	97.6	ug/L
	Lead	50.00	47.27	94.5	ug/L
	Magnesium	500000	474,520.00	94.9	ug/L
	Potassium		14.77		ug/L
	Sodium		45.96		ug/L

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_053
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 2151001
Sequence: 2E14516

Lab Sample ID	Analyte	True	Found	%R	Units
2E14516-IFA1	Calcium	500000	496,480.00	99.3	ug/L
	Iron (dissolved)	200000	204,190.00	102	ug/L
	Potassium		220.25		ug/L
	Lead		1.44		ug/L
	Magnesium	500000	477,170.00	95.4	ug/L
	Manganese (dissolved)		-4.61		ug/L
	Sodium		44.01		ug/L
2E14516-IFB1	Calcium	500000	495,260.00	99.1	ug/L
	Iron (dissolved)	200000	207,340.00	104	ug/L
	Potassium		91.44		ug/L
	Lead	50.00	48.67	97.3	ug/L
	Magnesium	500000	484,300.00	96.9	ug/L
	Manganese (dissolved)	500.0	463.52	92.7	ug/L
	Sodium		62.92		ug/L

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_053
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 2146001
Sequence: 2E14601

Lab Sample ID	Analyte	True	Found	%R	Units
2E14601-IFA1	Calcium (dissolved)	500000	469,910.00	94.0	ug/L
	Iron (dissolved)	200000	204,110.00	102	ug/L
	Lead (dissolved)		-1.78		ug/L
	Magnesium (dissolved)	500000	492,420.00	98.5	ug/L
	Manganese (dissolved)		-4.96		ug/L
	Potassium (dissolved)		541.77		ug/L
	Sodium (dissolved)		66.58		ug/L
2E14601-IFB1	Calcium (dissolved)	500000	473,080.00	94.6	ug/L
	Iron (dissolved)	200000	205,030.00	103	ug/L
	Lead (dissolved)	50.00	43.05	86.1	ug/L
	Magnesium (dissolved)	500000	491,060.00	98.2	ug/L
	Manganese (dissolved)	500.0	473.86	94.8	ug/L
	Potassium (dissolved)		185.12		ug/L
	Sodium (dissolved)		57.11		ug/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW6010B

GW0517

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_053

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E18002

% Solids:

Source Sample Name: **1205054-02**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Iron (dissolved)	1000	526.5	1645	112		80 - 120
Manganese (dissolved)	500.0	1366	1877	102		80 - 120

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Iron (dissolved)	1000	1622	110	1.40		20	80 - 120
Manganese (dissolved)	500.0	1864	99.4	0.743		20	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E16024	Laboratory ID:	2E16024-BS1
Preparation:	MET_3005A	Initial/Final:	50 mL / 50 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Calcium	5000	5365	107	80 - 120
Lead	250.0	252.8	101	80 - 120
Magnesium	5000	4875	97.5	80 - 120
Potassium	5000	5040	101	80 - 120
Sodium	5000	5189	104	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E18001	Laboratory ID:	2E18001-BS1
Preparation:	MET_3005A	Initial/Final:	50 mL / 50 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Calcium	5000	5021	100	80 - 120
Potassium	5000	4591	91.8	80 - 120
Lead	250.0	241.3	96.5	80 - 120
Magnesium	5000	4785	95.7	80 - 120
Sodium	5000	5006	100	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E18002	Laboratory ID:	2E18002-BS1
Preparation:	MET_3005A	Initial/Final:	50 mL / 50 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Iron (dissolved)	1000	1115	111	80 - 120
Manganese (dissolved)	500.0	527.8	106	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E23027	Laboratory ID:	2E23027-BS1
Preparation:	MET_3005A	Initial/Final:	50 mL / 50 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Iron (dissolved)	1000	1047	105	80 - 120
Manganese (dissolved)	500.0	470.2	94.0	80 - 120

SERIAL DILUTION

SW6010B

GW0517

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sequence: 2E14601
Preparation: MET_3005A

SDG: Kirtland_053
Project: Kirtland AFB 2011
Laboratory ID: 2E18002-DUP1
Lab Source ID: 1205054-02
Initial/Final: 50 / 50

Analyte	Initial Sample Result (I) ug/L	Serial Dilution Result (S) ug/L	% Difference	Q	Method	QC Limits % Difference
Iron (dissolved)	526.5	558.95	6.16		SW6010B	10.00
Manganese (dissolved)	1366.4	1500	9.78		SW6010B	10.00

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_053

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 12/30/2011

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Ag
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.000274	0.002914	0.000021	0.000325	0.0000000
Lead	220.3	0.000274	0.002914	0.000021	0.000325	0.0000000
Lead	220.3	0.000274	0.002914	0.000021	0.000325	0.0000000
Lead	220.3	0.000274	0.002914	0.000021	0.000325	0.0000000
Magnesium	279.0	0.0000000	0.0000000	-0.000001	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	-0.000001	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	-0.000001	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	-0.000001	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.000032	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.000032	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.000032	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.000032	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_053

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 12/30/2011

Analyte	Wave-length (nm)	Interelement Correction Factors for: As	B	Ba	Be	Cd
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_053

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 12/30/2011

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Co	Cr	Cu	K	Mn
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	-0.000701	0.0000000	0.0000000	-0.000794
Iron	261.1	0.0000000	-0.000701	0.0000000	0.0000000	-0.000794
Iron	261.1	0.0000000	-0.000701	0.0000000	0.0000000	-0.000794
Iron	261.1	0.0000000	-0.000701	0.0000000	0.0000000	-0.000794
Lead	220.3	-0.000077	0.0000000	0.000101	0.0000000	0.000116
Lead	220.3	-0.000077	0.0000000	0.000101	0.0000000	0.000116
Lead	220.3	-0.000077	0.0000000	0.000101	0.0000000	0.000116
Lead	220.3	-0.000077	0.0000000	0.000101	0.0000000	0.000116
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_053

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 12/30/2011

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Mo	Na	Ni	Pb	Sb
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	-0.002028	0.0000000	0.000100	0.0000000	0.0000000
Lead	220.3	-0.002028	0.0000000	0.000100	0.0000000	0.0000000
Lead	220.3	-0.002028	0.0000000	0.000100	0.0000000	0.0000000
Lead	220.3	-0.002028	0.0000000	0.000100	0.0000000	0.0000000
Magnesium	279.0	-0.000013	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	-0.000013	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	-0.000013	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	-0.000013	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_053

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 12/30/2011

Analyte	Wave-length (nm)	Interelement Correction Factors for: Se	Sn	Ti	Tl	V
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	-0.000006	0.0000000	-0.000072
Lead	220.3	0.0000000	0.0000000	-0.000006	0.0000000	-0.000072
Lead	220.3	0.0000000	0.0000000	-0.000006	0.0000000	-0.000072
Lead	220.3	0.0000000	0.0000000	-0.000006	0.0000000	-0.000072
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_053

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 12/30/2011

Analyte	Wave-length (nm)	Interelement Correction Factors for: Zn				
Calcium	317.9	0.0000000				
Calcium	317.9	0.0000000				
Calcium	317.9	0.0000000				
Calcium	317.9	0.0000000				
Iron	261.1	0.0000000				
Iron	261.1	0.0000000				
Iron	261.1	0.0000000				
Iron	261.1	0.0000000				
Lead	220.3	0.0000000				
Lead	220.3	0.0000000				
Lead	220.3	0.0000000				
Lead	220.3	0.0000000				
Magnesium	279.0	0.0000000				
Magnesium	279.0	0.0000000				
Magnesium	279.0	0.0000000				
Magnesium	279.0	0.0000000				
Manganese	257.6	0.0000000				
Manganese	257.6	0.0000000				
Manganese	257.6	0.0000000				
Manganese	257.6	0.0000000				
Potassium	766.4	0.0000000				
Potassium	766.4	0.0000000				
Potassium	766.4	0.0000000				
Potassium	766.4	0.0000000				
Sodium	589.6	0.0000000				
Sodium	589.6	0.0000000				
Sodium	589.6	0.0000000				
Sodium	589.6	0.0000000				

Comments:

FORM XA-IN

ICP-AES AND ICP-MS LINEAR RANGES (QUARTERLY)

Lab Name: Empirical Laboratories, LLC

Client: Shaw E & I (I700) SDG: Kirtland_053

Project: Kirtland AFB 2011

ICP Instrument ID: ME-ICP Date: 12/30/2011

Analyte	Integ. Time (Sec.)	Concentration ug/L	M
Calcium	15	500000	P
Calcium	15	500000	P
Calcium	15	500000	P
Calcium	15	500000	P
Iron	15	500000	P
Iron	15	500000	P
Iron	15	500000	P
Iron	15	500000	P
Lead	15	10000	P
Lead	15	10000	P
Lead	15	10000	P
Lead	15	10000	P
Magnesium	15	500000	P
Magnesium	15	500000	P
Magnesium	15	500000	P
Magnesium	15	500000	P
Manganese	15	10000	P
Manganese	15	10000	P
Manganese	15	10000	P
Manganese	15	10000	P
Potassium	15	100000	P
Potassium	15	100000	P
Potassium	15	100000	P
Potassium	15	100000	P
Sodium	15	500000	P
Sodium	15	500000	P
Sodium	15	500000	P
Sodium	15	500000	P

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 2E16024 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0517	1205054-01	05/16/12 15:57	50.00	50.00
GW0518	1205054-03	05/16/12 15:57	50.00	50.00
GW0563	1205054-05	05/16/12 15:57	50.00	50.00
GW0564	1205054-07	05/16/12 15:57	50.00	50.00
GW0565	1205054-09	05/16/12 15:57	50.00	50.00
GW0587	1205054-11	05/16/12 15:57	50.00	50.00
GW0588	1205054-13	05/16/12 15:57	50.00	50.00
GW0589	1205054-15	05/16/12 15:57	50.00	50.00
GW0610	1205054-17	05/16/12 15:57	50.00	50.00
GW0611	1205054-19	05/16/12 15:57	50.00	50.00
GW0612	1205054-21	05/16/12 15:57	50.00	50.00
GW8050-RB	1205054-23	05/16/12 15:57	50.00	50.00
GW0511	1205070-01	05/16/12 15:57	50.00	50.00
GW0512	1205070-03	05/16/12 15:57	50.00	50.00
GW0570	1205070-05	05/16/12 15:57	50.00	50.00
GW0586	1205070-07	05/16/12 15:57	50.00	50.00
Blank	2E16024-BLK1	05/16/12 15:57	50.00	50.00
LCS	2E16024-BS1	05/16/12 15:57	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 2E18001 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0599	1205070-09	05/18/12 07:12	50.00	50.00
GW0600	1205070-11	05/18/12 07:12	50.00	50.00
GW0609	1205070-13	05/18/12 07:12	50.00	50.00
GW0508	1205080-01	05/18/12 07:12	50.00	50.00
GW0509	1205080-03	05/18/12 07:12	50.00	50.00
GW0513	1205080-05	05/18/12 07:12	50.00	50.00
GW0583	1205080-07	05/18/12 07:12	50.00	50.00
GW0584	1205080-09	05/18/12 07:12	50.00	50.00
GW8051-RB	1205080-11	05/18/12 07:12	50.00	50.00
GW0585	1205096-01	05/18/12 07:12	50.00	50.00
Blank	2E18001-BLK1	05/18/12 07:12	50.00	50.00
LCS	2E18001-BS1	05/18/12 07:12	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 2E18002 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0517	1205054-02	05/18/12 07:22	50.00	50.00
GW0518	1205054-04	05/18/12 07:22	50.00	50.00
GW0563	1205054-06	05/18/12 07:22	50.00	50.00
GW0564	1205054-08	05/18/12 07:22	50.00	50.00
GW0565	1205054-10	05/18/12 07:22	50.00	50.00
GW0587	1205054-12	05/18/12 07:22	50.00	50.00
GW0588	1205054-14	05/18/12 07:22	50.00	50.00
GW0589	1205054-16	05/18/12 07:22	50.00	50.00
GW0610	1205054-18	05/18/12 07:22	50.00	50.00
GW0611	1205054-20	05/18/12 07:22	50.00	50.00
GW0612	1205054-22	05/18/12 07:22	50.00	50.00
GW8050-RB	1205054-24	05/18/12 07:22	50.00	50.00
GW0511	1205070-02	05/18/12 07:22	50.00	50.00
GW0512	1205070-04	05/18/12 07:22	50.00	50.00
GW0570	1205070-06	05/18/12 07:22	50.00	50.00
GW0586	1205070-08	05/18/12 07:22	50.00	50.00
GW0599	1205070-10	05/18/12 07:22	50.00	50.00
GW0600	1205070-12	05/18/12 07:22	50.00	50.00
GW0609	1205070-14	05/18/12 07:22	50.00	50.00
GW0585	1205096-02	05/18/12 07:22	50.00	50.00
Blank	2E18002-BLK1	05/18/12 07:22	50.00	50.00
LCS	2E18002-BS1	05/18/12 07:22	50.00	50.00
GW0517	2E18002-DUP1	05/18/12 07:22	50.00	50.00
GW0517	2E18002-MS1	05/18/12 07:22	50.00	50.00
GW0517	2E18002-MSD1	05/18/12 07:22	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 2E23027 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0508	1205080-02	05/23/12 15:41	50.00	50.00
GW0509	1205080-04	05/23/12 15:41	50.00	50.00
GW0513	1205080-06	05/23/12 15:41	50.00	50.00
GW0583	1205080-08	05/23/12 15:41	50.00	50.00
GW0584	1205080-10	05/23/12 15:41	50.00	50.00
GW8051-RB	1205080-12	05/23/12 15:41	50.00	50.00
Blank	2E23027-BLK1	05/23/12 15:41	50.00	50.00
LCS	2E23027-BS1	05/23/12 15:41	50.00	50.00

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E14501	Instrument:	ME-ICP
Calibration:	2145001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2E14501-CAL1	051712A-001	05/17/12 09:40
Cal Standard	2E14501-CAL2	051712A-002	05/17/12 09:45
Cal Standard	2E14501-CAL5	051712A-005	05/17/12 09:58
Cal Standard	2E14501-CAL6	051712A-006	05/17/12 10:04
Cal Standard	2E14501-CAL7	051712A-007	05/17/12 10:10
Cal Standard	2E14501-CAL8	051712A-008	05/17/12 10:15
Cal Standard	2E14501-CAL3	051712A-009	05/17/12 10:22
Initial Cal Check	2E14501-ICV1	051712B-001	05/17/12 11:03
Initial Cal Blank	2E14501-ICB1	051712B-002	05/17/12 11:10
Instrument RL Check	2E14501-CRL1	051712B-003	05/17/12 11:15
Interference Check A	2E14501-IFA1	051712B-012	05/17/12 12:03
Interference Check B	2E14501-IFB1	051712B-013	05/17/12 12:08
Calibration Check	2E14501-CCV1	051712B-015	05/17/12 12:19
Calibration Blank	2E14501-CCB1	051712B-016	05/17/12 12:26
Calibration Check	2E14501-CCV7	051712D-044	05/17/12 19:53
Calibration Blank	2E14501-CCB7	051712D-045	05/17/12 20:00
Blank	2E16024-BLK1	051712D-046	05/17/12 20:05
LCS	2E16024-BS1	051712D-047	05/17/12 20:10
GW0517	1205054-01	051712D-049	05/17/12 20:20
GW0518	1205054-03	051712D-050	05/17/12 20:25
GW0563	1205054-05	051712D-051	05/17/12 20:29
GW0564	1205054-07	051712D-052	05/17/12 20:34
GW0565	1205054-09	051712D-053	05/17/12 20:39
GW0587	1205054-11	051712D-054	05/17/12 20:43
GW0588	1205054-13	051712D-055	05/17/12 20:48
GW0589	1205054-15	051712D-056	05/17/12 20:52
GW0610	1205054-17	051712D-057	05/17/12 20:57
Calibration Check	2E14501-CCV8	051712D-058	05/17/12 21:02
Calibration Blank	2E14501-CCB8	051712D-059	05/17/12 21:10
GW0611	1205054-19	051712D-060	05/17/12 21:14
GW0612	1205054-21	051712D-061	05/17/12 21:19
GW8050-RB	1205054-23	051712D-062	05/17/12 21:23

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E14501	Instrument:	ME-ICP
Calibration:	2145001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
GW0511	1205070-01	051712D-063	05/17/12 21:28
GW0512	1205070-03	051712D-064	05/17/12 21:33
GW0570	1205070-05	051712D-065	05/17/12 21:37
GW0586	1205070-07	051712D-066	05/17/12 21:42
Calibration Check	2E14501-CCV9	051712D-072	05/17/12 22:12
Calibration Blank	2E14501-CCB9	051712D-073	05/17/12 22:20

ANALYSIS SEQUENCE SUMMARY
SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E14516	Instrument:	ME-ICP
Calibration:	2151001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2E14516-CAL1	052412A-001	05/24/12 09:03
Cal Standard	2E14516-CAL1	052412A-001	05/24/12 09:03
Cal Standard	2E14516-CAL2	052412A-002	05/24/12 09:07
Cal Standard	2E14516-CAL2	052412A-002	05/24/12 09:07
Cal Standard	2E14516-CAL4	052412A-004	05/24/12 09:15
Cal Standard	2E14516-CAL5	052412A-005	05/24/12 09:19
Cal Standard	2E14516-CAL5	052412A-005	05/24/12 09:19
Cal Standard	2E14516-CAL7	052412A-007	05/24/12 09:29
Cal Standard	2E14516-CAL8	052412A-008	05/24/12 09:34
Cal Standard	2E14516-CAL3	052412A-010	05/24/12 09:45
Cal Standard	2E14516-CAL3	052412A-010	05/24/12 09:45
Cal Standard	2E14516-CAL6	052412A-011	05/24/12 09:50
Cal Standard	2E14516-CAL6	052412A-011	05/24/12 09:50
Initial Cal Check	2E14516-ICV1	052412B-001	05/24/12 10:33
Initial Cal Check	2E14516-ICV1	052412B-001	05/24/12 10:33
Initial Cal Blank	2E14516-ICB1	052412B-002	05/24/12 10:41
Initial Cal Blank	2E14516-ICB1	052412B-002	05/24/12 10:41
Instrument RL Check	2E14516-CRL1	052412B-003	05/24/12 10:45
Instrument RL Check	2E14516-CRL1	052412B-003	05/24/12 10:45
Interference Check A	2E14516-IFA1	052412B-006	05/24/12 11:00
Interference Check A	2E14516-IFA1	052412B-006	05/24/12 11:00
Interference Check B	2E14516-IFB1	052412B-007	05/24/12 11:05
Interference Check B	2E14516-IFB1	052412B-007	05/24/12 11:05
Calibration Check	2E14516-CCV1	052412B-009	05/24/12 11:15
Calibration Check	2E14516-CCV1	052412B-009	05/24/12 11:15
Calibration Blank	2E14516-CCB1	052412B-010	05/24/12 11:23
Calibration Blank	2E14516-CCB1	052412B-010	05/24/12 11:23
Calibration Check	2E14516-CCV4	052412D-008	05/24/12 15:48
Calibration Check	2E14516-CCV4	052412D-008	05/24/12 15:48
Calibration Blank	2E14516-CCB4	052412D-009	05/24/12 15:56
GW0599	1205070-09	052412D-015	05/24/12 16:23
GW0600	1205070-11	052412D-016	05/24/12 16:28

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E14516	Instrument:	ME-ICP
Calibration:	2151001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
GW0609	1205070-13	052412D-017	05/24/12 16:32
GW0508	1205080-01	052412D-018	05/24/12 16:37
GW0509	1205080-03	052412D-019	05/24/12 16:41
GW0513	1205080-05	052412D-020	05/24/12 16:46
GW0583	1205080-07	052412D-021	05/24/12 16:51
GW0584	1205080-09	052412D-022	05/24/12 16:55
GW8051-RB	1205080-11	052412D-023	05/24/12 17:00
Calibration Check	2E14516-CCV5	052412D-024	05/24/12 17:05
Calibration Check	2E14516-CCV5	052412D-024	05/24/12 17:05
Calibration Blank	2E14516-CCB5	052412D-025	05/24/12 17:13
GW0585	1205096-01	052412D-034	05/24/12 17:53
Calibration Check	2E14516-CCV6	052412D-035	05/24/12 17:59
Calibration Check	2E14516-CCV6	052412D-035	05/24/12 17:59
Calibration Blank	2E14516-CCB6	052412D-036	05/24/12 18:06
Calibration Check	2E14516-CCV8	052412D-065	05/24/12 20:25
Calibration Check	2E14516-CCV8	052412D-065	05/24/12 20:25
Calibration Blank	2E14516-CCB8	052412D-066	05/24/12 20:33
Blank	2E23027-BLK1	052412D-067	05/24/12 20:37
LCS	2E23027-BS1	052412D-068	05/24/12 20:42
GW0508	1205080-02	052412D-069	05/24/12 20:48
GW0509	1205080-04	052412D-070	05/24/12 20:53
GW0513	1205080-06	052412D-071	05/24/12 20:58
GW0583	1205080-08	052412D-072	05/24/12 21:02
GW0584	1205080-10	052412D-073	05/24/12 21:07
GW8051-RB	1205080-12	052412D-074	05/24/12 21:12
Calibration Check	2E14516-CCV9	052412D-079	05/24/12 21:36
Calibration Check	2E14516-CCV9	052412D-079	05/24/12 21:36
Calibration Blank	2E14516-CCB9	052412D-080	05/24/12 21:44

ANALYSIS SEQUENCE SUMMARY
SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E14601	Instrument:	ME-ICP
Calibration:	2146001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2E14601-CAL1	051812A-001	05/18/12 09:23
Cal Standard	2E14601-CAL2	051812A-002	05/18/12 09:27
Cal Standard	2E14601-CAL3	051812A-003	05/18/12 09:31
Cal Standard	2E14601-CAL4	051812A-004	05/18/12 09:35
Cal Standard	2E14601-CAL5	051812A-005	05/18/12 09:40
Cal Standard	2E14601-CAL6	051812A-006	05/18/12 09:45
Initial Cal Check	2E14601-ICV1	051812B-001	05/18/12 10:26
Initial Cal Blank	2E14601-ICB1	051812B-002	05/18/12 10:33
Instrument RL Check	2E14601-CRL1	051812B-003	05/18/12 10:37
Interference Check A	2E14601-IFA1	051812B-007	05/18/12 10:58
Interference Check B	2E14601-IFB1	051812B-008	05/18/12 11:03
Calibration Check	2E14601-CCV1	051812B-010	05/18/12 11:14
Calibration Blank	2E14601-CCB1	051812B-011	05/18/12 11:21
Calibration Check	2E14601-CCV5	051812C-008	05/18/12 15:49
Calibration Blank	2E14601-CCB5	051812C-009	05/18/12 15:56
Blank	2E18002-BLK1	051812C-010	05/18/12 16:01
LCS	2E18002-BS1	051812C-011	05/18/12 16:05
GW0517	1205054-02	051812C-012	05/18/12 16:12
GW0517	2E18002-MS1	051812C-013	05/18/12 16:16
GW0517	2E18002-MSD1	051812C-014	05/18/12 16:21
GW0517	2E18002-DUP1	051812C-015	05/18/12 16:26
GW0518	1205054-04	051812C-016	05/18/12 16:31
GW0563	1205054-06	051812C-017	05/18/12 16:35
GW0564	1205054-08	051812C-018	05/18/12 16:40
GW0565	1205054-10	051812C-019	05/18/12 16:44
GW0587	1205054-12	051812C-020	05/18/12 16:49
GW0588	1205054-14	051812C-021	05/18/12 16:53
GW0589	1205054-16	051812C-022	05/18/12 16:58
GW0610	1205054-18	051812C-023	05/18/12 17:02
GW0611	1205054-20	051812C-024	05/18/12 17:07
Calibration Check	2E14601-CCV6	051812C-025	05/18/12 17:12
Calibration Blank	2E14601-CCB6	051812C-026	05/18/12 17:20

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E14601	Instrument:	ME-ICP
Calibration:	2146001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
GW0612	1205054-22	051812C-027	05/18/12 17:24
GW8050-RB	1205054-24	051812C-028	05/18/12 17:29
GW0511	1205070-02	051812C-029	05/18/12 17:33
GW0512	1205070-04	051812C-030	05/18/12 17:38
GW0570	1205070-06	051812C-031	05/18/12 17:43
GW0586	1205070-08	051812C-032	05/18/12 17:47
GW0599	1205070-10	051812C-033	05/18/12 17:52
GW0600	1205070-12	051812C-034	05/18/12 17:57
GW0609	1205070-14	051812C-035	05/18/12 18:01
GW0585	1205096-02	051812C-036	05/18/12 18:06
Calibration Check	2E14601-CCV7	051812C-037	05/18/12 18:11
Calibration Blank	2E14601-CCB7	051812C-038	05/18/12 18:18
Blank	2E18001-BLK1	051812C-039	05/18/12 18:23
LCS	2E18001-BS1	051812C-040	05/18/12 18:28
Calibration Check	2E14601-CCV8	051812C-046	05/18/12 18:59
Calibration Blank	2E14601-CCB8	051812C-047	05/18/12 19:06

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2145001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	5/17/12 9:40 5/17/12 10:27

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum	0	0	5000	2.0852E-05	10000	2.1328E-05			500000	2.0778E-05		
Antimony	0	0	100	0.0006545	1000	7.2441E-04					10000	7.1408E-04
Arsenic	0	0	100	0.000313	1000	0.0003567					10000	3.4687E-04
Barium	0	0	50	0.0114196	1000	0.011372	5000	0.0112284				
Beryllium	0	0	100	0.0019954	1000	0.0020217					10000	0.0019842
Boron	0	0	50	0.0000128	1000	1.346E-05					5000	1.3186E-05
Cadmium	0	0	100	0.015111	1000	0.015792					10000	0.014752
Calcium	0	0	1100	5.034546E-05	50000	4.7552E-05					10000	
Chromium	0	0	100	0.0000365	1000	3.651E-05					10000	3.564E-05
Cobalt	0	0	100	0.0043587	1000	0.00444					10000	0.0044937
Copper	0	0	100	0.0000601	1000	5.339E-05					10000	5.3512E-05
Iron	0	0	5100	1.45902E-05	10000	1.4068E-05			500000	1.35238E-05	10000	
Lead	0	0	100	0.0010246	1000	0.0010164					10000	0.0010379
Magnesium	0	0	5100		50000	1.6304E-06			500000	1.64282E-06	10000	
Manganese	0	0	100	0.0002074	1000	1.9904E-04	10000	1.9476E-04			10000	
Molybdenum	0	0	100	0.003394	1000	0.0036315					10000	0.0035687
Nickel	0	0	100	0.0033682	1000	0.0034813					10000	0.0034737
Potassium	0	0	1000	0.0000109	10000	1.1515E-05						
Selenium	0	0	100	0.0003351	1000	3.4036E-04					10000	3.3172E-04
Silver	0	0	20	0.0000445	500	4.308E-05	2000	4.487E-05				
Sodium	0	0	1000		50000	4.6576E-05						
Strontium	0	0	100	0.001293	1000	0.001341					10000	0.001274
Thallium	0	0	100	0.0007941	1000	7.9402E-04					10000	8.0023E-04
Tin	0	0	50	0.001092	1000	0.0011747					5000	1.15804E-03
Titanium	0	0	100	0.0001496	1000	0.0001466					10000	1.4885E-04
Vanadium	0	0	100	0.0000326	1000	3.373E-05					10000	3.2709E-05
Zinc	0	0	100	0.0060371	1000	0.0063918					10000	0.0061792

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2145001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	5/17/12 9:40 5/17/12 10:27

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum												
Antimony												
Arsenic												
Barium												
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	0.0000453								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	1.6699E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.149E-05										
Selenium												
Silver												
Sodium	100000	4.6129E-05	500000	4.4004E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_053	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2145001		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	5/17/12 9:40	5/17/12 10:27

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.57395E-05	66.68464	7.750585	178.1555	0.9999997		0.998	
Antimony	5.232475E-04	66.92621	3.828108	168.3579	0.999996		0.998	
Arsenic	2.541425E-04	67.0723	3.926167	149.2541	0.9999881		0.998	
Barium	0.008505	66.67352	2.590078	169.273	0.9999934		0.998	
Beryllium	1.500325E-03	66.67489	30.27993	194.8723	0.9999965		0.998	
Boron	9.8615E-06	66.72317	6.721825	184.1477	0.9999805		0.998	
Cadmium	1.141375E-02	66.77368	1.150965	123.0235	0.9999516		0.998	
Calcium	3.579936E-05	66.91545	2.816165	139.8074	0.9999764		0.998	
Chromium	2.71625E-05	66.68357	2.860895	174.3684	0.9999947		0.998	
Cobalt	0.0033231	66.68758	0.85304	100.1209	0.9999987		0.998	
Copper	4.17505E-05	67.08815	0.50175	40.82639	0.9999985		0.998	
Iron	1.05455E-05	66.79438	5.565828	165.4309	0.9999994		0.998	
Lead	7.69725E-04	66.6766	82.60618	198.4952	0.9999959		0.998	
Magnesium	1.23578E-06	66.68002	163.0421	199.2197	0.9999845		0.998	
Manganese	0.0001503	66.75808	4.569673	173.903	0.9999961		0.998	
Molybdenum	2.64855E-03	66.77453	20.53239	194.5438	0.9999959		0.998	
Nickel	0.0025808	66.69666	127.9829	199.2596	0.9999998		0.998	
Potassium	8.47625E-06	66.75093	11.67552	184.996	0.9999996		0.998	
Selenium	2.51795E-04	66.68162	5.9162	163.2241	0.9999946		0.998	
Silver	3.31125E-05	66.70737	21.01075	195.4291	0.9998888		0.998	
Sodium	3.417725E-05	66.74745	1.886472	122.334	0.999909		0.998	
Strontium	0.000977	66.72909	1.661025	98.0229	0.9999724		0.998	
Thallium	5.970875E-04	66.66845	10.27669	188.3155	0.9999995		0.998	
Tin	8.56185E-04	66.79703	1.934737	139.019	0.9999888		0.998	
Titanium	1.112625E-04	66.67651	13.80794	190.8004	0.9999975		0.998	
Vanadium	2.475975E-05	66.69835	9.135573	193.7979	0.9999902		0.998	
Zinc	4.652025E-03	66.74025	5.70248	186.7006	0.9999874		0.998	

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2146001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	5/18/12 9:23 5/18/12 9:55

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum	0	0	5000	2.127E-05	10000	2.1397E-05			500000	2.0706E-05		
Antimony	0	0	100	0.0006505	1000	6.9658E-04					10000	6.7197E-04
Arsenic	0	0	100	0.0003094	1000	0.0003475					10000	3.3359E-04
Barium	0	0	50	0.0114414	1000	0.011118	5000	0.011052				
Beryllium	0	0	100	0.0019719	1000	0.002023					10000	0.0019129
Boron	0	0	50	0.0000122	1000	1.333E-05					5000	1.3034E-05
Cadmium	0	0	100	0.015298	1000	0.015924					10000	0.014661
Calcium	0	0	1100	5.048182E-05	50000	4.8928E-05					10000	
Chromium	0	0	100	0.0000398	1000	0.000038					10000	3.7676E-05
Cobalt	0	0	100	0.0054153	1000	0.0054012					10000	0.0052393
Copper	0	0	100	0.0000671	1000	6.482E-05					10000	6.3584E-05
Iron	0	0	5100	1.492745E-05	10000	1.4438E-05			500000	1.35778E-05	10000	
Lead	0	0	100	0.0013587	1000	0.0013327					10000	0.0013149
Magnesium	0	0	5100		50000	1.7258E-06			500000	1.71504E-06	10000	
Manganese	0	0	100	0.0002014	1000	2.0051E-04	10000	1.9854E-04			10000	
Molybdenum	0	0	100	0.0033445	1000	0.0035365					10000	0.0034374
Nickel	0	0	100	0.0034101	1000	0.0034482					10000	0.0033602
Potassium	0	0	1000	1.085E-05	10000	1.1424E-05						
Selenium	0	0	100	0.000326	1000	3.2854E-04					10000	3.1271E-04
Silver	0	0	20	0.0000445	500	4.276E-05	2000	4.4805E-05				
Sodium	0	0	1000		50000	4.5678E-05						
Strontium	0	0	100	0.001446	1000	0.001461					10000	0.001419
Thallium	0	0	100	0.0007891	1000	0.0007776					10000	7.6845E-04
Tin	0	0	50	0.0010916	1000	0.0011423					5000	1.11624E-03
Titanium	0	0	100	0.0001425	1000	1.4459E-04					10000	1.4493E-04
Vanadium	0	0	100	0.0000352	1000	3.466E-05					10000	3.4232E-05
Zinc	0	0	100	0.0063124	1000	0.0065622					10000	0.0062966

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2146001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	5/18/12 9:23 5/18/12 9:55

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum												
Antimony												
Arsenic												
Barium												
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	4.8566E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	1.745E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.1918E-05										
Selenium												
Silver												
Sodium	100000	4.5004E-05	500000	4.4372E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_053	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2146001		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	5/18/12 9:23	5/18/12 9:55

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.584325E-05	66.69361	48.08702	199.0187	0.9999997		0.998	
Antimony	5.047625E-04	66.77092	7.20461	184.3707	0.9999847		0.998	
Arsenic	2.476225E-04	66.96909	8.386182	181.5021	0.9999782		0.998	
Barium	8.40285E-03	66.69742	3.325778	185.1658	0.9999988		0.998	
Beryllium	1.47695E-03	66.73621	44.13183	196.3216	0.9999682		0.998	
Boron	9.641E-06	66.8511	4.396952	181.3854	0.9999755		0.998	
Cadmium	1.147075E-02	66.81804	2.70194	169.2112	0.9999286		0.998	
Calcium	3.699395E-05	66.70451	1.738255	137.2248	0.9999995		0.998	
Chromium	2.8869E-05	66.74517	1.88253	152.8586	0.9999995		0.998	
Cobalt	4.01395E-03	66.69634	3.389042	172.2346	0.9999915		0.998	
Copper	4.8876E-05	66.73322	1.390987	161.6295	0.9999974		0.998	
Iron	1.073581E-05	66.8689	6.775655	168.6292	0.9999988		0.998	
Lead	1.001575E-03	66.69084	13.28147	193.7863	0.9999986		0.998	
Magnesium	1.29646E-06	66.67352	212.5767	199.7219	0.9999875		0.998	
Manganese	1.501125E-04	66.67142	1.552525	124.0058	0.9999991		0.998	
Molybdenum	0.0025796	66.7359	8.776017	193.6862	0.9999908		0.998	
Nickel	2.554625E-03	66.68159	9.020195	192.9465	0.9999934		0.998	
Potassium	8.548E-06	66.86188	11.56662	184.9134	0.9999864		0.998	
Selenium	2.418125E-04	66.72844	1.100015	125.3563	0.9999792		0.998	
Silver	3.301625E-05	66.72247	10.2461	181.0693	0.9998544		0.998	
Sodium	3.37635E-05	66.68538	2.893335	112.3646	0.9999895		0.998	
Strontium	0.0010815	66.68603	3.315375	159.5608	0.9999916		0.998	
Thallium	5.837875E-04	66.68237	7.570798	190.4285	0.9999985		0.998	
Tin	8.37535E-04	66.71247	40.07462	198.1737	0.9999754		0.998	
Titanium	1.08005E-04	66.67409	5.272795	185.6338	0.9999999		0.998	
Vanadium	2.6023E-05	66.68404	18.7572	194.1378	0.9999987		0.998	
Zinc	0.0047928	66.71497	8.680358	192.5724	0.9999822		0.998	

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2151001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	5/18/12 9:23 5/18/12 9:55

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum	0	0	5000	2.127E-05	10000	2.1397E-05			500000	2.0706E-05		
Antimony	0	0	100	0.0006505	1000	6.9658E-04					10000	6.7197E-04
Arsenic	0	0	100	0.0003094	1000	0.0003475					10000	3.3359E-04
Barium	0	0	50	0.0114414	1000	0.011118	5000	0.011052				
Beryllium	0	0	100	0.0019719	1000	0.002023					10000	0.0019129
Boron	0	0	50	0.0000122	1000	1.333E-05					5000	1.3034E-05
Cadmium	0	0	100	0.015298	1000	0.015924					10000	0.014661
Calcium	0	0	1100	5.048182E-05	50000	4.8928E-05					10000	
Chromium	0	0	100	0.0000398	1000	0.000038					10000	3.7676E-05
Cobalt	0	0	100	0.0054153	1000	0.0054012					10000	0.0052393
Copper	0	0	100	0.0000671	1000	6.482E-05					10000	6.3584E-05
Iron	0	0	5100	1.492745E-05	10000	1.4438E-05			500000	1.35778E-05	10000	
Lead	0	0	100	0.0013587	1000	0.0013327					10000	0.0013149
Magnesium	0	0	5100		50000	1.7258E-06			500000	1.71504E-06	10000	
Manganese	0	0	100	0.0002014	1000	2.0051E-04	10000	1.9854E-04			10000	
Molybdenum	0	0	100	0.0033445	1000	0.0035365					10000	0.0034374
Nickel	0	0	100	0.0034101	1000	0.0034482					10000	0.0033602
Potassium	0	0	1000	1.085E-05	10000	1.1424E-05						
Selenium	0	0	100	0.000326	1000	3.2854E-04					10000	3.1271E-04
Silver	0	0	20	0.0000445	500	4.276E-05	2000	4.4805E-05				
Sodium	0	0	1000		50000	4.5678E-05						
Strontium	0	0	100	0.001446	1000	0.001461					10000	0.001419
Thallium	0	0	100	0.0007891	1000	0.0007776					10000	7.6845E-04
Tin	0	0	50	0.0010916	1000	0.0011423					5000	1.11624E-03
Titanium	0	0	100	0.0001425	1000	1.4459E-04					10000	1.4493E-04
Vanadium	0	0	100	0.0000352	1000	3.466E-05					10000	3.4232E-05
Zinc	0	0	100	0.0063124	1000	0.0065622					10000	0.0062966

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2151001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	5/18/12 9:23 5/18/12 9:55

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum												
Antimony												
Arsenic												
Barium												
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	4.8566E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	1.745E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.1918E-05										
Selenium												
Silver												
Sodium	100000	4.5004E-05	500000	4.4372E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	2151001	Instrument:	ME-ICP		
Matrix:	Water	Calibration Dates:	5/18/12 9:23	5/18/12 9:55	

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.584325E-05	66.69361	48.08702	199.0187	0.9999997		0.998	
Antimony	5.047625E-04	66.77092	7.20461	184.3707	0.9999847		0.998	
Arsenic	2.476225E-04	66.96909	8.386182	181.5021	0.9999782		0.998	
Barium	8.40285E-03	66.69742	3.325778	185.1658	0.9999988		0.998	
Beryllium	1.47695E-03	66.73621	44.13183	196.3216	0.9999682		0.998	
Boron	9.641E-06	66.8511	4.396952	181.3854	0.9999755		0.998	
Cadmium	1.147075E-02	66.81804	2.70194	169.2112	0.9999286		0.998	
Calcium	3.699395E-05	66.70451	1.738255	137.2248	0.9999995		0.998	
Chromium	2.8869E-05	66.74517	1.88253	152.8586	0.9999995		0.998	
Cobalt	4.01395E-03	66.69634	3.389042	172.2346	0.9999915		0.998	
Copper	4.8876E-05	66.73322	1.390987	161.6295	0.9999974		0.998	
Iron	1.073581E-05	66.8689	6.775655	168.6292	0.9999988		0.998	
Lead	1.001575E-03	66.69084	13.28147	193.7863	0.9999986		0.998	
Magnesium	1.29646E-06	66.67352	212.5767	199.7219	0.9999875		0.998	
Manganese	1.501125E-04	66.67142	1.552525	124.0058	0.9999991		0.998	
Molybdenum	0.0025796	66.7359	8.776017	193.6862	0.9999908		0.998	
Nickel	2.554625E-03	66.68159	9.020195	192.9465	0.9999934		0.998	
Potassium	8.548E-06	66.86188	11.56662	184.9134	0.9999864		0.998	
Selenium	2.418125E-04	66.72844	1.100015	125.3563	0.9999792		0.998	
Silver	3.301625E-05	66.72247	10.2461	181.0693	0.9998544		0.998	
Sodium	3.37635E-05	66.68538	2.893335	112.3646	0.9999895		0.998	
Strontium	0.0010815	66.68603	3.315375	159.5608	0.9999916		0.998	
Thallium	5.837875E-04	66.68237	7.570798	190.4285	0.9999985		0.998	
Tin	8.37535E-04	66.71247	40.07462	198.1737	0.9999754		0.998	
Titanium	1.08005E-04	66.67409	5.272795	185.6338	0.9999999		0.998	
Vanadium	2.6023E-05	66.68404	18.7572	194.1378	0.9999987		0.998	
Zinc	0.0047928	66.71497	8.680358	192.5724	0.9999822		0.998	

Data for Wet Chemistry Forms

ANALYSIS DATA SHEET

GW0517

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-01
Sampled:	05/07/12 15:44	Received:	05/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2E17013	05/18/12 12:43
18496-25-8	Sulfide	1.10	0.690	1.72	3.45	1	J	SM4500S2CF	2E10020	05/10/12 13:04
71-52-3	Alkalinity, Bicarbonate (as CACO3)	213	1.00	1.00	1.00	1		SM2320B	2E15010	05/15/12 10:54
16887-00-6	Chloride	13.2	0.170	0.330	1.00	1	M	E300.0	2E17026	05/17/12 22:23
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2E17009	05/17/12 10:30
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E15010	05/15/12 10:54
14808-79-8	Sulfate as SO4	17.3	0.330	1.00	2.50	1	M	E300.0	2E17026	05/17/12 22:23

ANALYSIS DATA SHEET

GW0518

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-03
Sampled:	05/07/12 11:59	Received:	05/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2E17013	05/18/12 12:43
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	2E10020	05/10/12 13:05
71-52-3	Alkalinity, Bicarbonate (as CACO3)	111	1.00	1.00	1.00	1		SM2320B	2E15010	05/15/12 11:05
16887-00-6	Chloride	19.1	0.170	0.330	1.00	1	M	E300.0	2E17026	05/17/12 22:40
NA	Nitrate/Nitrite as N	0.269	0.250	0.750	1.50	1	J	E353.2	2E17009	05/17/12 10:31
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E15010	05/15/12 11:05
14808-79-8	Sulfate as SO4	28.4	0.330	1.00	2.50	1	M	E300.0	2E17026	05/17/12 22:40

ANALYSIS DATA SHEET

GW0563

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-05
Sampled:	05/07/12 15:51	Received:	05/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2E17013	05/18/12 12:44
18496-25-8	Sulfide	0.690	0.690	1.72	3.45	1	J	SM4500S2CF	2E10020	05/10/12 13:06
71-52-3	Alkalinity, Bicarbonate (as CACO3)	203	1.00	1.00	1.00	1		SM2320B	2E15010	05/15/12 11:09
16887-00-6	Chloride	22.7	0.170	0.330	1.00	1	M	E300.0	2E17026	05/17/12 22:58
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2E17009	05/17/12 10:33
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E15010	05/15/12 11:09
14808-79-8	Sulfate as SO4	33.6	0.330	1.00	2.50	1	M	E300.0	2E17026	05/17/12 22:58

ANALYSIS DATA SHEET

GW0564

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-07
Sampled:	05/07/12 13:24	Received:	05/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2E17013	05/18/12 12:45
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	2E10020	05/10/12 13:07
71-52-3	Alkalinity, Bicarbonate (as CACO3)	117	1.00	1.00	1.00	1		SM2320B	2E15010	05/15/12 11:15
16887-00-6	Chloride	15.3	0.170	0.330	1.00	1	M	E300.0	2E17026	05/17/12 23:15
NA	Nitrate/Nitrite as N	0.435	0.250	0.750	1.50	1	J	E353.2	2E17009	05/17/12 10:34
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E15010	05/15/12 11:15
14808-79-8	Sulfate as SO4	38.9	0.330	1.00	2.50	1	M	E300.0	2E17026	05/17/12 23:15

ANALYSIS DATA SHEET

GW0565

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-09
Sampled:	05/07/12 11:09	Received:	05/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2E17013	05/18/12 12:46
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	2E10020	05/10/12 13:08
71-52-3	Alkalinity, Bicarbonate (as CACO3)	96.6	1.00	1.00	1.00	1		SM2320B	2E15010	05/15/12 11:21
16887-00-6	Chloride	6.93	0.170	0.330	1.00	1	M	E300.0	2E17026	05/18/12 00:07
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2E17009	05/17/12 10:35
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E15010	05/15/12 11:21
14808-79-8	Sulfate as SO4	28.6	0.330	1.00	2.50	1	M	E300.0	2E17026	05/18/12 00:07

ANALYSIS DATA SHEET

GW0587

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-11
Sampled:	05/08/12 13:28	Received:	05/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2E22001	05/22/12 11:18
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2E10020	05/10/12 13:09
71-52-3	Alkalinity, Bicarbonate (as CACO3)	343	1.00	1.00	1.00	1		SM2320B	2E16013	05/16/12 12:05
16887-00-6	Chloride	119	0.170	0.330	1.00	1	M	E300.0	2E17026	05/17/12 23:33
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2E17009	05/17/12 10:37
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E16013	05/16/12 12:05
14808-79-8	Sulfate as SO4	20.3	0.330	1.00	2.50	1	M	E300.0	2E17026	05/17/12 23:33

ANALYSIS DATA SHEET

GW0588

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-13
Sampled:	05/08/12 11:03	Received:	05/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2E17013	05/18/12 12:47
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2E10020	05/10/12 13:10
71-52-3	Alkalinity, Bicarbonate (as CACO3)	100	1.00	1.00	1.00	1		SM2320B	2E16013	05/16/12 12:10
16887-00-6	Chloride	7.45	0.170	0.330	1.00	1	M	E300.0	2E17026	05/17/12 23:50
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2E17009	05/17/12 10:38
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E16013	05/16/12 12:10
14808-79-8	Sulfate as SO4	29.0	0.330	1.00	2.50	1	M	E300.0	2E17026	05/17/12 23:50

ANALYSIS DATA SHEET

GW0589

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-15
Sampled:	05/08/12 11:03	Received:	05/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2E17013	05/18/12 12:48
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	2E10020	05/10/12 13:11
71-52-3	Alkalinity, Bicarbonate (as CACO3)	93.4	1.00	1.00	1.00	1		SM2320B	2E16013	05/16/12 12:16
16887-00-6	Chloride	7.46	0.170	0.330	1.00	1	M	E300.0	2E17026	05/18/12 01:52
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2E17009	05/17/12 10:40
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E16013	05/16/12 12:16
14808-79-8	Sulfate as SO4	29.1	0.330	1.00	2.50	1	M	E300.0	2E17026	05/18/12 01:52

ANALYSIS DATA SHEET

GW0610

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-17
Sampled:	05/08/12 12:45	Received:	05/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2E22001	05/22/12 11:20
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	2E10020	05/10/12 13:12
71-52-3	Alkalinity, Bicarbonate (as CACO3)	85.7	1.00	1.00	1.00	1		SM2320B	2E15010	05/15/12 11:35
16887-00-6	Chloride	26.8	0.170	0.330	1.00	1	M	E300.0	2E17026	05/18/12 02:09
NA	Nitrate/Nitrite as N	1.66	0.250	0.750	1.50	1		E353.2	2E17009	05/17/12 10:41
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E15010	05/15/12 11:35
14808-79-8	Sulfate as SO4	59.5	0.330	1.00	2.50	1	M	E300.0	2E17026	05/18/12 02:09

ANALYSIS DATA SHEET

GW0611

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-19
Sampled:	05/08/12 12:45	Received:	05/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2E22001	05/22/12 11:22
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	2E10020	05/10/12 13:13
71-52-3	Alkalinity, Bicarbonate (as CACO3)	87.7	1.00	1.00	1.00	1		SM2320B	2E15010	05/15/12 11:45
16887-00-6	Chloride	26.5	0.170	0.330	1.00	1	M	E300.0	2E17026	05/18/12 02:27
NA	Nitrate/Nitrite as N	1.66	0.250	0.750	1.50	1		E353.2	2E17009	05/17/12 10:46
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E15010	05/15/12 11:45
14808-79-8	Sulfate as SO4	59.2	0.330	1.00	2.50	1	M	E300.0	2E17026	05/18/12 02:27

ANALYSIS DATA SHEET

GW0612

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205054-21
Sampled:	05/08/12 10:31	Received:	05/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2E17013	05/18/12 12:49
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	2E10020	05/10/12 13:14
71-52-3	Alkalinity, Bicarbonate (as CACO3)	95.0	1.00	1.00	1.00	1		SM2320B	2E15010	05/15/12 11:52
16887-00-6	Chloride	15.0	0.170	0.330	1.00	1	M	E300.0	2E17026	05/18/12 02:44
NA	Nitrate/Nitrite as N	0.724	0.250	0.750	1.50	1	J	E353.2	2E17009	05/17/12 10:47
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E15010	05/15/12 11:52
14808-79-8	Sulfate as SO4	37.1	0.330	1.00	2.50	1	M	E300.0	2E17026	05/18/12 02:44

ANALYSIS DATA SHEET

GW0511

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-01
Sampled:	05/09/12 11:13	Received:	05/10/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2E22001	05/22/12 11:25
18496-25-8	Sulfide	2.37	0.741	1.85	3.70	1	J	SM4500S2CF	2E10020	05/10/12 13:17
71-52-3	Alkalinity, Bicarbonate (as CACO3)	187	1.00	1.00	1.00	1		SM2320B	2E21020	05/21/12 10:57
16887-00-6	Chloride	12.0	0.170	0.330	0.500	1		E300.0	2E23021	05/23/12 23:03
NA	Nitrate/Nitrite as N		0.300	0.750	1.50	1	M U	E353.2	2E25005	05/25/12 10:22
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E21020	05/21/12 10:57
14808-79-8	Sulfate as SO4	7.06	0.330	1.00	2.50	1	M	E300.0	2E23021	05/23/12 23:03

ANALYSIS DATA SHEET

GW0512

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-03
Sampled:	05/09/12 11:13	Received:	05/10/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2E22001	05/22/12 11:26
18496-25-8	Sulfide	2.37	0.741	1.85	3.70	1	J	SM4500S2CF	2E10020	05/10/12 13:18
71-52-3	Alkalinity, Bicarbonate (as CACO3)	181	1.00	1.00	1.00	1		SM2320B	2E21020	05/21/12 11:03
16887-00-6	Chloride	12.0	0.170	0.330	0.500	1		E300.0	2E23021	05/23/12 23:21
NA	Nitrate/Nitrite as N		0.300	0.750	1.50	1	M U	E353.2	2E25005	05/25/12 10:26
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E21020	05/21/12 11:03
14808-79-8	Sulfate as SO4	7.30	0.330	1.00	2.50	1	M	E300.0	2E23021	05/23/12 23:21

ANALYSIS DATA SHEET

GW0570

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-05
Sampled:	05/09/12 13:09	Received:	05/10/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2E22001	05/22/12 11:27
18496-25-8	Sulfide	0.970	0.690	1.72	3.45	1	J	SM4500S2CF	2E10020	05/10/12 13:19
71-52-3	Alkalinity, Bicarbonate (as CACO3)	237	1.00	1.00	1.00	1		SM2320B	2E16013	05/16/12 12:24
16887-00-6	Chloride	57.6	0.170	0.330	0.500	1		E300.0	2E23021	05/23/12 23:38
NA	Nitrate/Nitrite as N		0.350	0.750	1.50	1	M U	E353.2	2E25005	05/25/12 10:28
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E16013	05/16/12 12:24
14808-79-8	Sulfate as SO4	23.2	0.330	1.00	2.50	1	M	E300.0	2E23021	05/23/12 23:38

ANALYSIS DATA SHEET

GW0586

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-07
Sampled:	05/08/12 15:27	Received:	05/10/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2E22001	05/22/12 11:28
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	2E10020	05/10/12 13:20
71-52-3	Alkalinity, Bicarbonate (as CACO3)	345	1.00	1.00	1.00	1		SM2320B	2E16013	05/16/12 12:45
16887-00-6	Chloride	143	0.170	0.330	0.500	1		E300.0	2E23021	05/24/12 00:30
NA	Nitrate/Nitrite as N		0.500	0.750	1.50	1	M U	E353.2	2E25005	05/25/12 10:29
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E16013	05/16/12 12:45
14808-79-8	Sulfate as SO4		0.330	1.00	2.50	1	M U	E300.0	2E23021	05/24/12 00:30

ANALYSIS DATA SHEET

GW0599

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-09
Sampled:	05/09/12 09:59	Received:	05/10/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2E22001	05/22/12 11:29
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2E10020	05/10/12 13:21
71-52-3	Alkalinity, Bicarbonate (as CACO3)	136	1.00	1.00	1.00	1		SM2320B	2E16013	05/16/12 13:03
16887-00-6	Chloride	22.4	0.170	0.330	0.500	1		E300.0	2E23021	05/24/12 00:48
NA	Nitrate/Nitrite as N		0.300	0.750	1.50	1	M U	E353.2	2E25005	05/25/12 10:30
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E16013	05/16/12 13:03
14808-79-8	Sulfate as SO4	43.2	0.330	1.00	2.50	1	M	E300.0	2E23021	05/24/12 00:48

ANALYSIS DATA SHEET

GW0600

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-11
Sampled:	05/09/12 09:59	Received:	05/10/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2E22001	05/22/12 11:32
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	2E10020	05/10/12 13:22
71-52-3	Alkalinity, Bicarbonate (as CACO3)	130	1.00	1.00	1.00	1		SM2320B	2E16013	05/16/12 13:19
16887-00-6	Chloride	22.3	0.170	0.330	0.500	1		E300.0	2E23021	05/24/12 01:05
NA	Nitrate/Nitrite as N		0.300	0.750	1.50	1	M U	E353.2	2E25005	05/25/12 10:32
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E16013	05/16/12 13:19
14808-79-8	Sulfate as SO4	43.3	0.330	1.00	2.50	1	M	E300.0	2E23021	05/24/12 01:05

ANALYSIS DATA SHEET

GW0609

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205070-13
Sampled:	05/08/12 15:01	Received:	05/10/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N	0.368	0.110	0.150	0.300	1		SM4500NH3BG	2E22001	05/22/12 11:33
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2E10020	05/10/12 13:23
71-52-3	Alkalinity, Bicarbonate (as CACO3)	99.9	1.00	1.00	1.00	1		SM2320B	2E16013	05/16/12 13:26
16887-00-6	Chloride	38.8	0.170	0.330	0.500	1		E300.0	2E23021	05/24/12 01:23
NA	Nitrate/Nitrite as N	4.27	0.300	0.750	1.50	1	M	E353.2	2E25005	05/25/12 10:33
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E16013	05/16/12 13:26
14808-79-8	Sulfate as SO4	80.1	0.330	1.00	2.50	1	M	E300.0	2E23021	05/24/12 01:23

ANALYSIS DATA SHEET

GW0508

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-01
Sampled:	05/09/12 15:58	Received:	05/11/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N	1.16	0.110	0.150	0.300	1		SM4500NH3BG	2E22001	05/22/12 11:34
18496-25-8	Sulfide	5.05	0.741	1.85	3.70	1		SM4500S2CF	2E16014	05/16/12 12:18
71-52-3	Alkalinity, Bicarbonate (as CACO3)	264	1.00	1.00	1.00	1		SM2320B	2E16013	05/16/12 13:39
16887-00-6	Chloride	175	0.170	0.330	0.500	1		E300.0	2E29032	05/29/12 19:45
NA	Nitrate/Nitrite as N		0.300	0.750	1.50	1	M U	E353.2	2E25005	05/25/12 10:35
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E16013	05/16/12 13:39
14808-79-8	Sulfate as SO4	106	0.330	1.00	2.50	1	M	E300.0	2E29032	05/29/12 19:45

ANALYSIS DATA SHEET

GW0509

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-03
Sampled:	05/10/12 11:21	Received:	05/11/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2E22001	05/22/12 11:35
18496-25-8	Sulfide	1.48	0.741	1.85	3.70	1	J	SM4500S2CF	2E16014	05/16/12 12:19
71-52-3	Alkalinity, Bicarbonate (as CACO3)	149	1.00	1.00	1.00	1		SM2320B	2E21020	05/21/12 11:20
16887-00-6	Chloride	11.3	0.170	0.330	0.500	1		E300.0	2E29032	05/29/12 20:02
NA	Nitrate/Nitrite as N		0.300	0.750	1.50	1	M U	E353.2	2E25005	05/25/12 10:39
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E21020	05/21/12 11:20
14808-79-8	Sulfate as SO4	25.1	0.330	1.00	2.50	1	M	E300.0	2E29032	05/29/12 20:02

ANALYSIS DATA SHEET

GW0513

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-05
Sampled:	05/09/12 15:48	Received:	05/11/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2E22001	05/22/12 11:36
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	2E16014	05/16/12 12:20
71-52-3	Alkalinity, Bicarbonate (as CACO3)	438	1.00	1.00	1.00	1		SM2320B	2E16013	05/16/12 13:47
16887-00-6	Chloride	118	0.170	0.330	0.500	1		E300.0	2E29032	05/29/12 20:19
NA	Nitrate/Nitrite as N		0.500	0.750	1.50	1	M U	E353.2	2E25005	05/25/12 10:41
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E16013	05/16/12 13:47
14808-79-8	Sulfate as SO4		0.330	1.00	2.50	1	M U	E300.0	2E29032	05/29/12 20:19

ANALYSIS DATA SHEET

GW0583

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-07
Sampled:	05/10/12 15:38	Received:	05/11/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2E29004	05/29/12 13:35
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2E16014	05/16/12 12:21
71-52-3	Alkalinity, Bicarbonate (as CACO3)	253	1.00	1.00	1.00	1		SM2320B	2E21020	05/21/12 12:00
16887-00-6	Chloride	52.6	0.170	0.330	0.500	1		E300.0	2E29032	05/29/12 20:37
NA	Nitrate/Nitrite as N		0.400	0.750	1.50	1	M U	E353.2	2E25005	05/25/12 10:42
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E21020	05/21/12 12:00
14808-79-8	Sulfate as SO4	112	0.330	1.00	2.50	1	M	E300.0	2E29032	05/29/12 20:37

ANALYSIS DATA SHEET

GW0584

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205080-09
Sampled:	05/10/12 11:10	Received:	05/11/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2E22001	05/22/12 11:37
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2E16014	05/16/12 12:22
71-52-3	Alkalinity, Bicarbonate (as CACO3)	104	1.00	1.00	1.00	1		SM2320B	2E21020	05/21/12 12:10
16887-00-6	Chloride	7.74	0.170	0.330	0.500	1		E300.0	2E29032	05/29/12 20:54
NA	Nitrate/Nitrite as N		0.300	0.750	1.50	1	M U	E353.2	2E25005	05/25/12 10:43
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E21020	05/21/12 12:10
14808-79-8	Sulfate as SO4	28.6	0.330	1.00	2.50	1	M	E300.0	2E29032	05/29/12 20:54

ANALYSIS DATA SHEET

GW0585

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205096-01
Sampled:	05/14/12 11:43	Received:	05/15/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2E29004	05/29/12 13:29
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2E16014	05/16/12 12:23
71-52-3	Alkalinity, Bicarbonate (as CACO3)	94.6	1.00	1.00	1.00	1		SM2320B	2E21020	05/21/12 12:18
16887-00-6	Chloride	7.35	0.170	0.330	0.500	1		E300.0	2E29032	05/29/12 23:31
NA	Nitrate/Nitrite as N		0.300	0.750	1.50	1	M U	E353.2	2E25005	05/25/12 10:45
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E21020	05/21/12 12:18
14808-79-8	Sulfate as SO4	27.3	0.330	1.00	2.50	1	M	E300.0	2E29032	05/29/12 23:31

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_053
Project: Kirtland AFB 2011
Calibration: 2136002
Sequence: 2E13609

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2E13609-ICV1	Chloride	4.800	4.613	96.1	mg/L	+/- 10.00%
	Sulfate as SO4	24.00	23.62	98.4	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

E353.2

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-Lachat

SDG: Kirtland_053
Project: Kirtland AFB 2011
Calibration: 2138001
Sequence: 2E13805

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2E13805-ICV1	Nitrate/Nitrite as N	1.200	1.250	104	mg/L	+/- 10.00%
2E13805-CCV1	Nitrate/Nitrite as N	1.200	1.251	104	mg/L	+/- 10.00%
2E13805-CCV2	Nitrate/Nitrite as N	1.200	1.246	104	mg/L	+/- 10.00%
2E13805-CCV3	Nitrate/Nitrite as N	1.200	1.258	105	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_053
Project: Kirtland AFB 2011
Calibration: 2136002
Sequence: 2E14207

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2E14207-CCV1	Chloride	25.00	25.88	104	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.52	106	mg/L	+/- 10.00%
2E14207-CCV2	Chloride	25.00	25.88	104	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.12	104	mg/L	+/- 10.00%
2E14207-CCV3	Chloride	25.00	25.73	103	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.13	105	mg/L	+/- 10.00%
2E14207-CCV4	Chloride	25.00	25.40	102	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.80	103	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-Lachat

SDG: Kirtland_053
Project: Kirtland AFB 2011
Calibration: 2142003
Sequence: 2E14211

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2E14211-ICV1	Ammonia as N	2.000	2.168	108	mg/L	+/- 10.00%
2E14211-CCV1	Ammonia as N	2.000	2.114	106	mg/L	+/- 10.00%
2E14211-CCV2	Ammonia as N	2.000	2.127	106	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-Lachat

SDG: Kirtland_053
Project: Kirtland AFB 2011
Calibration: 2143001
Sequence: 2E14307

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2E14307-ICV1	Ammonia as N	2.000	2.150	108	mg/L	+/- 10.00%
2E14307-CCV1	Ammonia as N	2.000	2.091	105	mg/L	+/- 10.00%
2E14307-CCV2	Ammonia as N	2.000	2.122	106	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

E353.2

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-Lachat

SDG: Kirtland_053
Project: Kirtland AFB 2011
Calibration: 2146002
Sequence: 2E14611

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2E14611-ICV1	Nitrate/Nitrite as N	1.200	1.242	104	mg/L	+/- 10.00%
2E14611-CCV1	Nitrate/Nitrite as N	1.200	1.243	104	mg/L	+/- 10.00%
2E14611-CCV2	Nitrate/Nitrite as N	1.200	1.244	104	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-Lachat

SDG: Kirtland_053
Project: Kirtland AFB 2011
Calibration: 2150001
Sequence: 2E15029

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2E15029-ICV1	Ammonia as N	2.000	2.063	103	mg/L	+/- 10.00%
2E15029-CCV1	Ammonia as N	2.000	2.030	102	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_053
Project: Kirtland AFB 2011
Calibration: 2136002
Sequence: 2E15032

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2E15032-CCV1	Chloride	25.00	26.80	107	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	27.02	108	mg/L	+/- 10.00%
2E15032-CCV2	Chloride	25.00	26.70	107	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.74	107	mg/L	+/- 10.00%
2E15032-CCV3	Chloride	25.00	26.85	107	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.65	107	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_053
Project: Kirtland AFB 2011
Calibration: 2136002
Sequence: 2E15104

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2E15104-CCV1	Chloride	25.00	25.72	103	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.33	105	mg/L	+/- 10.00%
2E15104-CCV2	Chloride	25.00	25.52	102	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.13	105	mg/L	+/- 10.00%
2E15104-CCV3	Chloride	25.00	25.51	102	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.93	104	mg/L	+/- 10.00%

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_053

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 2136002

Sequence: 2E14207

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2E14207-CRL2	Chloride	1.000	1.050	105	mg/L	75 - 125
2E14207-CRL3	Sulfate as SO4	2.500	2.143	85.7	mg/L	75 - 125

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_053

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 2136002

Sequence: 2E15032

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2E15032-CRL1	Chloride	0.5000	0.5300	106	mg/L	75 - 125
2E15032-CRL3	Sulfate as SO4	2.500	1.989	79.6	mg/L	75 - 125

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_053

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 2136002

Sequence: 2E15104

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2E15104-CRL1	Chloride	0.5000	0.5280	106	mg/L	75 - 125
2E15104-CRL3	Sulfate as SO4	2.500	2.048	81.9	mg/L	75 - 125

METHOD BLANKS
SM4500S2CF

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_053
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2E10020

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E10020-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_053
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2E15010

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E15010-BLK1	Alkalinity, Total (as CACO3)	0.00	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_053
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2E16013

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E16013-BLK1	Alkalinity, Total (as CACO3)	0.00	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
SM4500S2CF

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_053
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2E16014

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E16014-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_053
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2E17009

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E17009-BLK1	Nitrate/Nitrite as N	-0.0428	0.0500	0.300	mg/L	U	E353.2

METHOD BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_053
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2E17013

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E17013-BLK1	Ammonia as N	0.0375	0.110	0.300	mg/L	U	SM4500NH3BG

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_053
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2E17026

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E17026-BLK1	Chloride	0.0250	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_053
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2E21020

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E21020-BLK1	Alkalinity, Total (as CACO3)	0.00	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_053
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2E22001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E22001-BLK1	Ammonia as N	-0.00764	0.110	0.300	mg/L	U	SM4500NH3BG

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_053
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2E23021

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E23021-BLK1	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

METHOD BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_053
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2E25005

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E25005-BLK1	Nitrate/Nitrite as N	-0.0466	0.0500	0.300	mg/L	U	E353.2

METHOD BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_053
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2E29004

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E29004-BLK1	Ammonia as N	0.0174	0.110	0.300	mg/L	U	SM4500NH3BG

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_053
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2E29032

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E29032-BLK1	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_053
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2E13609
Calibration: 2136002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E13609-ICB1	Chloride	0.000	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.000	0.330	2.00	mg/L	U	E300.0

BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_053
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2E13805
Calibration: 2138001
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E13805-ICB1	Nitrate/Nitrite as N	-0.04747	0.0500	0.300	mg/L	U	E353.2
2E13805-CCB1	Nitrate/Nitrite as N	-0.0494	0.0500	0.300	mg/L	U	E353.2
2E13805-CCB2	Nitrate/Nitrite as N	-0.0479	0.0500	0.300	mg/L	U	E353.2
2E13805-CCB3	Nitrate/Nitrite as N	-0.0456	0.0500	0.300	mg/L	U	E353.2

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_053
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2E14207
Calibration: 2136002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E14207-CCB1	Chloride	0.0330	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2E14207-CCB2	Chloride	0.0470	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2E14207-CCB3	Chloride	0.0230	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2E14207-CCB4	Chloride	0.0390	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_053
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2E14211
Calibration: 2142003
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E14211-ICB1	Ammonia as N	-0.02734	0.110	0.300	mg/L	U	SM4500NH3BG
2E14211-CCB1	Ammonia as N	-0.00845	0.110	0.300	mg/L	U	SM4500NH3BG
2E14211-CCB2	Ammonia as N	-0.00537	0.110	0.300	mg/L	U	SM4500NH3BG

BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_053
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2E14307
Calibration: 2143001
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E14307-ICB1	Ammonia as N	-0.009358	0.110	0.300	mg/L	U	SM4500NH3BG
2E14307-CCB1	Ammonia as N	-0.0261	0.110	0.300	mg/L	U	SM4500NH3BG
2E14307-CCB2	Ammonia as N	0.00171	0.110	0.300	mg/L	U	SM4500NH3BG

BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_053
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2E14611
Calibration: 2146002
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E14611-ICB1	Nitrate/Nitrite as N	-0.03454	0.0500	0.300	mg/L	U	E353.2
2E14611-CCB1	Nitrate/Nitrite as N	-0.0578	0.0500	0.300	mg/L	J	E353.2
2E14611-CCB2	Nitrate/Nitrite as N	-0.0456	0.0500	0.300	mg/L	U	E353.2

BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_053
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2E15029
Calibration: 2150001
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E15029-ICB1	Ammonia as N	0.04184	0.110	0.300	mg/L	U	SM4500NH3BG
2E15029-CCB1	Ammonia as N	0.00144	0.110	0.300	mg/L	U	SM4500NH3BG

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_053
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2E15032
Calibration: 2136002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E15032-CCB1	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2E15032-CCB2	Chloride	0.0260	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2E15032-CCB3	Chloride	0.0870	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_053
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2E15104
Calibration: 2136002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E15104-CCB1	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2E15104-CCB2	Chloride	0.0240	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2E15104-CCB3	Chloride	0.0210	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM2320B

GW0587

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_053

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E16013

% Solids:

Source Sample Name: **1205054-11**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Alkalinity, Total (as CACO3)	111.1	343.5	443.0	89.6		75 - 125

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Alkalinity, Total (as CACO3)	111.1	457.0	102	3.11		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E300.0

GW0565

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_053

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E17026

% Solids:

Source Sample Name: **1205054-09**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Chloride	27.78	6.927	35.20	102		80 - 120
Sulfate as SO4	27.78	28.63	57.89	105		80 - 120

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Chloride	27.78	35.32	102	0.331		20	80 - 120
Sulfate as SO4	27.78	58.15	106	0.448		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM2320B

GW0511

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_053

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E21020

% Solids:

Source Sample Name: **1205070-01**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Alkalinity, Total (as CACO3)	111.1	187.2	289.2	91.8		75 - 125

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Alkalinity, Total (as CACO3)	111.1	291.4	93.8	0.777		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM4500NH3BG

GW0587

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_053

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E22001

% Solids:

Source Sample Name: **1205054-11**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Ammonia as N	5.000	ND	4.943	98.9		75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E300.0

GW0609

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_053

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E23021

% Solids:

Source Sample Name: **1205070-13**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Chloride	27.78	38.85	67.42	103		80 - 120
Sulfate as SO4	27.78	80.06	108.1	101		80 - 120

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Chloride	27.78	67.74	104	0.478		20	80 - 120
Sulfate as SO4	27.78	108.5	102	0.337		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E353.2

GW0511

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_053

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E25005

% Solids:

Source Sample Name: **1205070-01**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Nitrate/Nitrite as N	2.500	ND	2.646	106		90 - 110

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Nitrate/Nitrite as N	2.500	2.618	105	1.06		20	90 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM4500NH3BG

GW0585

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_053

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E29004

% Solids:

Source Sample Name: **1205096-01**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Ammonia as N	5.000	ND	5.009	100		75 - 125

DUPLICATES

GW0565

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 2E17026
Preparation: pNone
Source Sample Name: GW0565

SDG: Kirtland_053
Project: Kirtland AFB 2011
Laboratory ID: 2E17026-DUP2
Lab Source ID: 1205054-09
Initial/Final: 5 mL / 5 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Chloride	20	6.93	6.914	0.188		E300.0
Sulfate as SO4	20	28.6	28.59	0.133		E300.0

GW0610

DUPLICATES

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 2E22001
Preparation: pNone
Source Sample Name: GW0610

SDG: Kirtland_053
Project: Kirtland AFB 2011
Laboratory ID: 2E22001-DUP1
Lab Source ID: 1205054-17
Initial/Final: 100 mL / 100 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Ammonia as N	200	0.300 U	0.300 U			SM4500NH3BG

DUPLICATES

GW0609

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 2E23021
Preparation: pNone
Source Sample Name: GW0609

SDG: Kirtland_053
Project: Kirtland AFB 2011
Laboratory ID: 2E23021-DUP1
Lab Source ID: 1205070-13
Initial/Final: 5 mL / 5 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Chloride	20	38.8	38.81	0.113		E300.0
Sulfate as SO4	20	80.1	79.74	0.406		E300.0

GW0583

DUPLICATES

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 2E29004
Preparation: pNone
Source Sample Name: GW0583

SDG: Kirtland_053
Project: Kirtland AFB 2011
Laboratory ID: 2E29004-DUP1
Lab Source ID: 1205080-07
Initial/Final: 100 mL / 100 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Ammonia as N	200		0.300 U			SM4500NH3BG

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E10020	Laboratory ID:	2E10020-BS1
Preparation:	pNone	Initial/Final:	3 mL / 250 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Sulfide	1266	1233	97.4	80 - 120

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Sulfide	1266	1233	97.4	0.00	20	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E15010	Laboratory ID:	2E15010-BS1
Preparation:	pNone	Initial/Final:	5 mL / 25 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Alkalinity, Total (as CACO3)	1000	1013	101	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E16013	Laboratory ID:	2E16013-BS1
Preparation:	pNone	Initial/Final:	5 mL / 25 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Alkalinity, Total (as CACO3)	1000	1043	104	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E16014	Laboratory ID:	2E16014-BS1
Preparation:	pNone	Initial/Final:	3 mL / 250 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Sulfide	1266	1183	93.5	80 - 120

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Sulfide	1266	1200	94.8	1.40	20	80 - 120

LCS / LCS DUPLICATE RECOVERY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E17009	Laboratory ID:	2E17009-BS1
Preparation:	pNone	Initial/Final:	20 mL / 20 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Nitrate/Nitrite as N	1.690	1.689	99.9	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E17013	Laboratory ID:	2E17013-BS1
Preparation:	pNone	Initial/Final:	100 mL / 100 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Ammonia as N	5.000	5.061	101	80 - 120

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E17026	Laboratory ID:	2E17026-BS1
Preparation:	pNone	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Chloride	4.800	4.694	97.8	90 - 110
Sulfate as SO4	24.00	24.05	100	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E21020	Laboratory ID:	2E21020-BS1
Preparation:	pNone	Initial/Final:	5 mL / 25 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Alkalinity, Total (as CACO3)	1000	1037	104	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E22001	Laboratory ID:	2E22001-BS1
Preparation:	pNone	Initial/Final:	100 mL / 100 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Ammonia as N	5.000	5.391	108	80 - 120

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E23021	Laboratory ID:	2E23021-BS1
Preparation:	pNone	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Chloride	4.800	4.774	99.5	90 - 110
Sulfate as SO4	24.00	24.06	100	90 - 110

LCS / LCS DUPLICATE RECOVERY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E25005	Laboratory ID:	2E25005-BS1
Preparation:	pNone	Initial/Final:	20 mL / 20 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Nitrate/Nitrite as N	1.690	1.667	98.6	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E29004	Laboratory ID:	2E29004-BS1
Preparation:	pNone	Initial/Final:	100 mL / 100 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Ammonia as N	5.000	5.144	103	80 - 120

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E29032	Laboratory ID:	2E29032-BS1
Preparation:	pNone	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Chloride	4.800	4.840	101	90 - 110
Sulfate as SO4	24.00	24.15	101	90 - 110

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 2E10020 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0517	1205054-01	05/10/12 11:55	290.00	200.00
GW0518	1205054-03	05/10/12 11:55	290.00	200.00
GW0563	1205054-05	05/10/12 11:55	290.00	200.00
GW0564	1205054-07	05/10/12 11:55	290.00	200.00
GW0565	1205054-09	05/10/12 11:55	290.00	200.00
GW0587	1205054-11	05/10/12 11:55	270.00	200.00
GW0588	1205054-13	05/10/12 11:55	270.00	200.00
GW0589	1205054-15	05/10/12 11:55	290.00	200.00
GW0610	1205054-17	05/10/12 11:55	290.00	200.00
GW0611	1205054-19	05/10/12 11:55	290.00	200.00
GW0612	1205054-21	05/10/12 11:55	290.00	200.00
GW0511	1205070-01	05/10/12 11:55	270.00	200.00
GW0512	1205070-03	05/10/12 11:55	270.00	200.00
GW0570	1205070-05	05/10/12 11:55	290.00	200.00
GW0586	1205070-07	05/10/12 11:55	290.00	200.00
GW0599	1205070-09	05/10/12 11:55	270.00	200.00
GW0600	1205070-11	05/10/12 11:55	290.00	200.00
GW0609	1205070-13	05/10/12 11:55	270.00	200.00
Blank	2E10020-BLK1	05/10/12 11:55	250.00	200.00
LCS	2E10020-BS1	05/10/12 11:55	3.00	250.00
LCS Dup	2E10020-BSD1	05/10/12 11:55	3.00	250.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 2E15010 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0517	1205054-01	05/15/12 08:59	25.00	25.00
GW0518	1205054-03	05/15/12 08:59	25.00	25.00
GW0563	1205054-05	05/15/12 08:59	25.00	25.00
GW0564	1205054-07	05/15/12 08:59	25.00	25.00
GW0565	1205054-09	05/15/12 08:59	25.00	25.00
GW0610	1205054-17	05/15/12 08:59	25.00	25.00
GW0611	1205054-19	05/15/12 08:59	25.00	25.00
GW0612	1205054-21	05/15/12 08:59	25.00	25.00
Blank	2E15010-BLK1	05/15/12 08:59	25.00	25.00
LCS	2E15010-BS1	05/15/12 08:59	5.00	25.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 2E16013 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0587	1205054-11	05/16/12 10:02	25.00	25.00
GW0588	1205054-13	05/16/12 10:02	25.00	25.00
GW0589	1205054-15	05/16/12 10:02	25.00	25.00
GW0570	1205070-05	05/16/12 10:02	25.00	25.00
GW0586	1205070-07	05/16/12 10:02	25.00	25.00
GW0599	1205070-09	05/16/12 10:02	25.00	25.00
GW0600	1205070-11	05/16/12 10:02	25.00	25.00
GW0609	1205070-13	05/16/12 10:02	25.00	25.00
GW0508	1205080-01	05/16/12 10:02	25.00	25.00
GW0513	1205080-05	05/16/12 10:02	25.00	25.00
Blank	2E16013-BLK1	05/16/12 10:02	25.00	25.00
LCS	2E16013-BS1	05/16/12 10:02	5.00	25.00
GW0587	2E16013-MS1	05/16/12 10:02	22.50	25.00
GW0587	2E16013-MSD1	05/16/12 10:02	22.50	25.00

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 2E16014 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0508	1205080-01	05/16/12 10:03	270.00	200.00
GW0509	1205080-03	05/16/12 10:03	270.00	200.00
GW0513	1205080-05	05/16/12 10:03	290.00	200.00
GW0583	1205080-07	05/16/12 10:03	270.00	200.00
GW0584	1205080-09	05/16/12 10:03	270.00	200.00
GW0585	1205096-01	05/16/12 10:03	295.00	200.00
Blank	2E16014-BLK1	05/16/12 10:03	250.00	200.00
LCS	2E16014-BS1	05/16/12 10:03	3.00	250.00
LCS Dup	2E16014-BSD1	05/16/12 10:03	3.00	250.00

PREPARATION BATCH SUMMARY

E353.2

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 2E17009 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0517	1205054-01	05/17/12 08:16	4.00	20.00
GW0518	1205054-03	05/17/12 08:16	4.00	20.00
GW0563	1205054-05	05/17/12 08:16	4.00	20.00
GW0564	1205054-07	05/17/12 08:16	4.00	20.00
GW0565	1205054-09	05/17/12 08:16	4.00	20.00
GW0587	1205054-11	05/17/12 08:16	4.00	20.00
GW0588	1205054-13	05/17/12 08:16	4.00	20.00
GW0589	1205054-15	05/17/12 08:16	4.00	20.00
GW0610	1205054-17	05/17/12 08:16	4.00	20.00
GW0611	1205054-19	05/17/12 08:16	4.00	20.00
GW0612	1205054-21	05/17/12 08:16	4.00	20.00
Blank	2E17009-BLK1	05/17/12 08:16	20.00	20.00
LCS	2E17009-BS1	05/17/12 08:16	20.00	20.00

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 2E17013 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0517	1205054-01	05/17/12 09:55	100.00	100.00
GW0518	1205054-03	05/17/12 09:55	100.00	100.00
GW0563	1205054-05	05/17/12 09:55	100.00	100.00
GW0564	1205054-07	05/17/12 09:55	100.00	100.00
GW0565	1205054-09	05/17/12 09:55	100.00	100.00
GW0588	1205054-13	05/17/12 09:55	100.00	100.00
GW0589	1205054-15	05/17/12 09:55	100.00	100.00
GW0612	1205054-21	05/17/12 09:55	100.00	100.00
Blank	2E17013-BLK1	05/17/12 09:55	100.00	100.00
LCS	2E17013-BS1	05/17/12 09:55	100.00	100.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 2E17026 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0517	1205054-01	05/17/12 15:12	5.00	5.00
GW0518	1205054-03	05/17/12 15:12	5.00	5.00
GW0563	1205054-05	05/17/12 15:12	5.00	5.00
GW0564	1205054-07	05/17/12 15:12	5.00	5.00
GW0565	1205054-09	05/17/12 15:12	5.00	5.00
GW0587	1205054-11	05/17/12 15:12	5.00	5.00
GW0588	1205054-13	05/17/12 15:12	5.00	5.00
GW0589	1205054-15	05/17/12 15:12	5.00	5.00
GW0610	1205054-17	05/17/12 15:12	5.00	5.00
GW0611	1205054-19	05/17/12 15:12	5.00	5.00
GW0612	1205054-21	05/17/12 15:12	5.00	5.00
Blank	2E17026-BLK1	05/17/12 15:12	5.00	5.00
LCS	2E17026-BS1	05/17/12 15:12	5.00	5.00
GW0565	2E17026-DUP2	05/17/12 15:12	5.00	5.00
GW0565	2E17026-MS2	05/17/12 15:12	22.50	25.00
GW0565	2E17026-MSD2	05/17/12 15:12	22.50	25.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 2E21020 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0511	1205070-01	05/21/12 09:51	25.00	25.00
GW0512	1205070-03	05/21/12 09:51	25.00	25.00
GW0509	1205080-03	05/21/12 09:51	25.00	25.00
GW0583	1205080-07	05/21/12 09:51	25.00	25.00
GW0584	1205080-09	05/21/12 09:51	25.00	25.00
GW0585	1205096-01	05/21/12 09:51	25.00	25.00
Blank	2E21020-BLK1	05/21/12 09:51	25.00	25.00
LCS	2E21020-BS1	05/21/12 09:51	5.00	25.00
GW0511	2E21020-MS1	05/21/12 09:51	22.50	25.00
GW0511	2E21020-MSD1	05/21/12 09:51	22.50	25.00

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 2E22001 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0587	1205054-11	05/22/12 06:02	100.00	100.00
GW0610	1205054-17	05/22/12 06:02	100.00	100.00
GW0611	1205054-19	05/22/12 06:02	100.00	100.00
GW0511	1205070-01	05/22/12 06:02	100.00	100.00
GW0512	1205070-03	05/22/12 06:02	100.00	100.00
GW0570	1205070-05	05/22/12 06:02	100.00	100.00
GW0586	1205070-07	05/22/12 06:02	100.00	100.00
GW0599	1205070-09	05/22/12 06:02	100.00	100.00
GW0600	1205070-11	05/22/12 06:02	100.00	100.00
GW0609	1205070-13	05/22/12 06:02	100.00	100.00
GW0508	1205080-01	05/22/12 06:02	100.00	100.00
GW0509	1205080-03	05/22/12 06:02	100.00	100.00
GW0513	1205080-05	05/22/12 06:02	100.00	100.00
GW0584	1205080-09	05/22/12 06:02	100.00	100.00
Blank	2E22001-BLK1	05/22/12 06:02	100.00	100.00
LCS	2E22001-BS1	05/22/12 06:02	100.00	100.00
GW0610	2E22001-DUP1	05/22/12 06:02	100.00	100.00
GW0587	2E22001-MS1	05/22/12 06:02	100.00	100.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 2E23021 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0511	1205070-01	05/23/12 14:08	5.00	5.00
GW0512	1205070-03	05/23/12 14:08	5.00	5.00
GW0570	1205070-05	05/23/12 14:08	5.00	5.00
GW0586	1205070-07	05/23/12 14:08	5.00	5.00
GW0599	1205070-09	05/23/12 14:08	5.00	5.00
GW0600	1205070-11	05/23/12 14:08	5.00	5.00
GW0609	1205070-13	05/23/12 14:08	5.00	5.00
Blank	2E23021-BLK1	05/23/12 14:08	5.00	5.00
LCS	2E23021-BS1	05/23/12 14:08	5.00	5.00
GW0609	2E23021-DUP1	05/23/12 14:08	5.00	5.00
GW0609	2E23021-MS1	05/23/12 14:08	22.50	25.00
GW0609	2E23021-MSD1	05/23/12 14:08	22.50	25.00

PREPARATION BATCH SUMMARY

E353.2

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 2E25005 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0511	1205070-01	05/25/12 08:03	4.00	20.00
GW0512	1205070-03	05/25/12 08:03	4.00	20.00
GW0570	1205070-05	05/25/12 08:03	4.00	20.00
GW0586	1205070-07	05/25/12 08:03	4.00	20.00
GW0599	1205070-09	05/25/12 08:03	4.00	20.00
GW0600	1205070-11	05/25/12 08:03	4.00	20.00
GW0609	1205070-13	05/25/12 08:03	4.00	20.00
GW0508	1205080-01	05/25/12 08:03	4.00	20.00
GW0509	1205080-03	05/25/12 08:03	4.00	20.00
GW0513	1205080-05	05/25/12 08:03	4.00	20.00
GW0583	1205080-07	05/25/12 08:03	4.00	20.00
GW0584	1205080-09	05/25/12 08:03	4.00	20.00
GW0585	1205096-01	05/25/12 08:03	4.00	20.00
Blank	2E25005-BLK1	05/25/12 08:03	20.00	20.00
LCS	2E25005-BS1	05/25/12 08:03	20.00	20.00
GW0511	2E25005-MS1	05/25/12 08:03	4.00	20.00
GW0511	2E25005-MSD1	05/25/12 08:03	4.00	20.00

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 2E29004 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0583	1205080-07RE1	05/29/12 07:08	100.00	100.00
GW0585	1205096-01	05/29/12 07:08	100.00	100.00
Blank	2E29004-BLK1	05/29/12 07:08	100.00	100.00
LCS	2E29004-BS1	05/29/12 07:08	100.00	100.00
GW0583	2E29004-DUP1	05/29/12 07:08	100.00	100.00
GW0585	2E29004-MS1	05/29/12 07:08	100.00	100.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_053

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 2E29032 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0508	1205080-01	05/29/12 16:34	5.00	5.00
GW0509	1205080-03	05/29/12 16:34	5.00	5.00
GW0513	1205080-05	05/29/12 16:34	5.00	5.00
GW0583	1205080-07	05/29/12 16:34	5.00	5.00
GW0584	1205080-09	05/29/12 16:34	5.00	5.00
GW0585	1205096-01	05/29/12 16:34	5.00	5.00
Blank	2E29032-BLK1	05/29/12 16:34	5.00	5.00
LCS	2E29032-BS1	05/29/12 16:34	5.00	5.00

ANALYSIS SEQUENCE SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_053

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Sequence:

Instrument:

Calibration:

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
LCS	2E15010-BS1	051512-002	05/15/12 09:36
Blank	2E15010-BLK1	051512-003	05/15/12 09:43
LCS	2E16013-BS1	051612-002	05/16/12 11:32
Blank	2E16013-BLK1	051612-003	05/16/12 11:41
GW0587	2E16013-MS1	051612-004	05/16/12 11:46
GW0587	2E16013-MSD1	051612-005	05/16/12 11:52
LCS	2E21020-BS1	052112A-002	05/21/12 10:15
Blank	2E21020-BLK1	052112A-003	05/21/12 10:36
GW0511	2E21020-MS1	052112A-004	05/21/12 10:43
GW0511	2E21020-MSD1	052112A-005	05/21/12 10:51

ANALYSIS SEQUENCE SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_053

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Sequence:

Instrument:

Calibration:

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
LCS	2E10020-BS1	051012-001	05/10/12 13:01
LCS Dup	2E10020-BSD1	051012-002	05/10/12 13:02
Blank	2E10020-BLK1	051012-003	05/10/12 13:03
LCS	2E16014-BS1	051612-001	05/16/12 12:15
LCS Dup	2E16014-BSD1	051612-002	05/16/12 12:16
Blank	2E16014-BLK1	051612-003	05/16/12 12:17

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13609	Instrument:	WC-IC
Calibration:	2136002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2E13609-CAL1	051412-010	05/14/12 18:29
Cal Standard	2E13609-CAL2	051412-011	05/14/12 18:46
Cal Standard	2E13609-CAL3	051412-012	05/14/12 19:04
Cal Standard	2E13609-CAL4	051412-013	05/14/12 19:21
Cal Standard	2E13609-CAL5	051412-014	05/14/12 19:38
Cal Standard	2E13609-CAL6	051412-015	05/14/12 19:56
Cal Standard	2E13609-CAL7	051412-016	05/14/12 20:13
Cal Standard	2E13609-CAL8	051412-017	05/14/12 20:31
Initial Cal Check	2E13609-ICV1	051412-018	05/14/12 20:48
Initial Cal Blank	2E13609-ICB1	051412-019	05/14/12 21:06

ANALYSIS SEQUENCE SUMMARY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13805	Instrument:	WC-Lachat
Calibration:	2138001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2E13805-CAL1	M_5-17-2012_09-50-26AM-00	05/17/12 09:52
Cal Standard	2E13805-CAL2	M_5-17-2012_09-50-26AM-00	05/17/12 09:53
Cal Standard	2E13805-CAL3	M_5-17-2012_09-50-26AM-00	05/17/12 09:55
Cal Standard	2E13805-CAL4	M_5-17-2012_09-50-26AM-00	05/17/12 09:56
Cal Standard	2E13805-CAL5	M_5-17-2012_09-50-26AM-00	05/17/12 09:58
Cal Standard	2E13805-CAL6	M_5-17-2012_09-50-26AM-00	05/17/12 09:59
Cal Standard	2E13805-CAL7	M_5-17-2012_09-50-26AM-00	05/17/12 10:01
Cal Standard	2E13805-CAL8	M_5-17-2012_09-50-26AM-00	05/17/12 10:02
Initial Cal Check	2E13805-ICV1	M_5-17-2012_09-50-26AM-00	05/17/12 10:04
Initial Cal Blank	2E13805-ICB1	M_5-17-2012_09-50-26AM-01	05/17/12 10:05
Blank	2E17009-BLK1	M_5-17-2012_09-50-26AM-01	05/17/12 10:08
LCS	2E17009-BS1	M_5-17-2012_09-50-26AM-01	05/17/12 10:09
Calibration Check	2E13805-CCV1	M_5-17-2012_09-50-26AM-02	05/17/12 10:25
Calibration Blank	2E13805-CCB1	M_5-17-2012_09-50-26AM-02	05/17/12 10:27
GW0517	1205054-01	M_5-17-2012_09-50-26AM-02	05/17/12 10:30
GW0518	1205054-03	M_5-17-2012_09-50-26AM-02	05/17/12 10:31
GW0563	1205054-05	M_5-17-2012_09-50-26AM-02	05/17/12 10:33
GW0564	1205054-07	M_5-17-2012_09-50-26AM-03	05/17/12 10:34
GW0565	1205054-09	M_5-17-2012_09-50-26AM-03	05/17/12 10:35
GW0587	1205054-11	M_5-17-2012_09-50-26AM-03	05/17/12 10:37
GW0588	1205054-13	M_5-17-2012_09-50-26AM-03	05/17/12 10:38
GW0589	1205054-15	M_5-17-2012_09-50-26AM-03	05/17/12 10:40
GW0610	1205054-17	M_5-17-2012_09-50-26AM-03	05/17/12 10:41
Calibration Check	2E13805-CCV2	M_5-17-2012_09-50-26AM-03	05/17/12 10:43
Calibration Blank	2E13805-CCB2	M_5-17-2012_09-50-26AM-03	05/17/12 10:44
GW0611	1205054-19	M_5-17-2012_09-50-26AM-03	05/17/12 10:46
GW0612	1205054-21	M_5-17-2012_09-50-26AM-03	05/17/12 10:47
Calibration Check	2E13805-CCV3	M_5-17-2012_09-50-26AM-04	05/17/12 10:49
Calibration Blank	2E13805-CCB3	M_5-17-2012_09-50-26AM-04	05/17/12 10:50

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E14207	Instrument:	WC-IC
Calibration:	2136002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2E14207-CCV1	051712B-003	05/17/12 16:52
Calibration Blank	2E14207-CCB1	051712B-004	05/17/12 17:09
Instrument RL Check	2E14207-CRL2	051712B-006	05/17/12 17:44
Instrument RL Check	2E14207-CRL3	051712B-007	05/17/12 18:02
LCS	2E17026-BS1	051712B-008	05/17/12 18:19
Blank	2E17026-BLK1	051712B-009	05/17/12 18:37
Calibration Check	2E14207-CCV2	051712B-020	05/17/12 21:48
Calibration Blank	2E14207-CCB2	051712B-021	05/17/12 22:06
GW0517	1205054-01	051712B-022	05/17/12 22:23
GW0518	1205054-03	051712B-023	05/17/12 22:40
GW0563	1205054-05	051712B-024	05/17/12 22:58
GW0564	1205054-07	051712B-025	05/17/12 23:15
GW0587	1205054-11	051712B-026	05/17/12 23:33
GW0588	1205054-13	051712B-027	05/17/12 23:50
GW0565	1205054-09	051712B-028	05/18/12 00:07
GW0565	2E17026-MS2	051712B-029	05/18/12 00:25
GW0565	2E17026-MSD2	051712B-030	05/18/12 00:42
GW0565	2E17026-DUP2	051712B-031	05/18/12 01:00
Calibration Check	2E14207-CCV3	051712B-032	05/18/12 01:17
Calibration Blank	2E14207-CCB3	051712B-033	05/18/12 01:35
GW0589	1205054-15	051712B-034	05/18/12 01:52
GW0610	1205054-17	051712B-035	05/18/12 02:09
GW0611	1205054-19	051712B-036	05/18/12 02:27
GW0612	1205054-21	051712B-037	05/18/12 02:44
Calibration Check	2E14207-CCV4	051712B-040	05/18/12 03:36
Calibration Blank	2E14207-CCB4	051712B-041	05/18/12 03:54

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E14211	Instrument:	WC-Lachat
Calibration:	2142003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2E14211-CAL1	M_5-18-2012_12-13-08PM-00	05/18/12 12:14
Cal Standard	2E14211-CAL2	M_5-18-2012_12-13-08PM-00	05/18/12 12:15
Cal Standard	2E14211-CAL3	M_5-18-2012_12-13-08PM-00	05/18/12 12:16
Cal Standard	2E14211-CAL4	M_5-18-2012_12-13-08PM-00	05/18/12 12:17
Cal Standard	2E14211-CAL5	M_5-18-2012_12-13-08PM-00	05/18/12 12:18
Cal Standard	2E14211-CAL6	M_5-18-2012_12-13-08PM-00	05/18/12 12:19
Cal Standard	2E14211-CAL7	M_5-18-2012_12-13-08PM-00	05/18/12 12:20
Cal Standard	2E14211-CAL8	M_5-18-2012_12-13-08PM-00	05/18/12 12:21
Initial Cal Check	2E14211-ICV1	M_5-18-2012_12-13-08PM-00	05/18/12 12:22
Initial Cal Blank	2E14211-ICB1	M_5-18-2012_12-13-08PM-01	05/18/12 12:23
Blank	2E17013-BLK1	M_5-18-2012_12-13-08PM-01	05/18/12 12:24
LCS	2E17013-BS1	M_5-18-2012_12-13-08PM-01	05/18/12 12:24
Calibration Check	2E14211-CCV1	M_5-18-2012_12-13-08PM-02	05/18/12 12:37
Calibration Blank	2E14211-CCB1	M_5-18-2012_12-13-08PM-02	05/18/12 12:38
GW0517	1205054-01	M_5-18-2012_12-13-08PM-03	05/18/12 12:43
GW0518	1205054-03	M_5-18-2012_12-13-08PM-03	05/18/12 12:43
GW0563	1205054-05	M_5-18-2012_12-13-08PM-03	05/18/12 12:44
GW0564	1205054-07	M_5-18-2012_12-13-08PM-03	05/18/12 12:45
GW0565	1205054-09	M_5-18-2012_12-13-08PM-03	05/18/12 12:46
GW0588	1205054-13	M_5-18-2012_12-13-08PM-03	05/18/12 12:47
GW0589	1205054-15	M_5-18-2012_12-13-08PM-03	05/18/12 12:48
GW0612	1205054-21	M_5-18-2012_12-13-08PM-03	05/18/12 12:49
Calibration Check	2E14211-CCV2	M_5-18-2012_12-13-08PM-03	05/18/12 12:50
Calibration Blank	2E14211-CCB2	M_5-18-2012_12-13-08PM-04	05/18/12 12:51

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E14307	Instrument:	WC-Lachat
Calibration:	2143001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2E14307-CAL1	M_5-22-2012_11-06-41AM-00	05/22/12 11:07
Cal Standard	2E14307-CAL2	M_5-22-2012_11-06-41AM-00	05/22/12 11:08
Cal Standard	2E14307-CAL3	M_5-22-2012_11-06-41AM-00	05/22/12 11:09
Cal Standard	2E14307-CAL4	M_5-22-2012_11-06-41AM-00	05/22/12 11:10
Cal Standard	2E14307-CAL5	M_5-22-2012_11-06-41AM-00	05/22/12 11:11
Cal Standard	2E14307-CAL6	M_5-22-2012_11-06-41AM-00	05/22/12 11:12
Cal Standard	2E14307-CAL7	M_5-22-2012_11-06-41AM-00	05/22/12 11:13
Cal Standard	2E14307-CAL8	M_5-22-2012_11-06-41AM-00	05/22/12 11:14
Initial Cal Check	2E14307-ICV1	M_5-22-2012_11-06-41AM-00	05/22/12 11:15
Initial Cal Blank	2E14307-ICB1	M_5-22-2012_11-06-41AM-01	05/22/12 11:16
Blank	2E22001-BLK1	M_5-22-2012_11-06-41AM-01	05/22/12 11:17
LCS	2E22001-BS1	M_5-22-2012_11-06-41AM-01	05/22/12 11:17
GW0587	1205054-11	M_5-22-2012_11-06-41AM-01	05/22/12 11:18
GW0587	2E22001-MS1	M_5-22-2012_11-06-41AM-01	05/22/12 11:19
GW0610	1205054-17	M_5-22-2012_11-06-41AM-01	05/22/12 11:20
GW0610	2E22001-DUP1	M_5-22-2012_11-06-41AM-01	05/22/12 11:21
GW0611	1205054-19	M_5-22-2012_11-06-41AM-01	05/22/12 11:22
GW0511	1205070-01	M_5-22-2012_11-06-41AM-02	05/22/12 11:25
GW0512	1205070-03	M_5-22-2012_11-06-41AM-02	05/22/12 11:26
GW0570	1205070-05	M_5-22-2012_11-06-41AM-02	05/22/12 11:27
GW0586	1205070-07	M_5-22-2012_11-06-41AM-02	05/22/12 11:28
GW0599	1205070-09	M_5-22-2012_11-06-41AM-02	05/22/12 11:29
Calibration Check	2E14307-CCV1	M_5-22-2012_11-06-41AM-02	05/22/12 11:30
Calibration Blank	2E14307-CCB1	M_5-22-2012_11-06-41AM-02	05/22/12 11:31
GW0600	1205070-11	M_5-22-2012_11-06-41AM-02	05/22/12 11:32
GW0609	1205070-13	M_5-22-2012_11-06-41AM-02	05/22/12 11:33
GW0508	1205080-01	M_5-22-2012_11-06-41AM-02	05/22/12 11:34
GW0509	1205080-03	M_5-22-2012_11-06-41AM-03	05/22/12 11:35
GW0513	1205080-05	M_5-22-2012_11-06-41AM-03	05/22/12 11:36
GW0584	1205080-09	M_5-22-2012_11-06-41AM-03	05/22/12 11:37
Calibration Check	2E14307-CCV2	M_5-22-2012_11-06-41AM-03	05/22/12 11:41
Calibration Blank	2E14307-CCB2	M_5-22-2012_11-06-41AM-03	05/22/12 11:42

ANALYSIS SEQUENCE SUMMARY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E14611	Instrument:	WC-Lachat
Calibration:	2146002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2E14611-CAL1	M_5-25-2012_10-02-22AM-00	05/25/12 10:03
Cal Standard	2E14611-CAL2	M_5-25-2012_10-02-22AM-00	05/25/12 10:04
Cal Standard	2E14611-CAL3	M_5-25-2012_10-02-22AM-00	05/25/12 10:06
Cal Standard	2E14611-CAL4	M_5-25-2012_10-02-22AM-00	05/25/12 10:07
Cal Standard	2E14611-CAL5	M_5-25-2012_10-02-22AM-00	05/25/12 10:09
Cal Standard	2E14611-CAL6	M_5-25-2012_10-02-22AM-00	05/25/12 10:10
Cal Standard	2E14611-CAL7	M_5-25-2012_10-02-22AM-00	05/25/12 10:12
Cal Standard	2E14611-CAL8	M_5-25-2012_10-02-22AM-00	05/25/12 10:13
Initial Cal Check	2E14611-ICV1	M_5-25-2012_10-02-22AM-00	05/25/12 10:14
Initial Cal Blank	2E14611-ICB1	M_5-25-2012_10-02-22AM-01	05/25/12 10:16
Blank	2E25005-BLK1	M_5-25-2012_10-02-22AM-01	05/25/12 10:19
LCS	2E25005-BS1	M_5-25-2012_10-02-22AM-01	05/25/12 10:20
GW0511	1205070-01	M_5-25-2012_10-02-22AM-01	05/25/12 10:22
GW0511	2E25005-MS1	M_5-25-2012_10-02-22AM-01	05/25/12 10:23
GW0511	2E25005-MSD1	M_5-25-2012_10-02-22AM-01	05/25/12 10:25
GW0512	1205070-03	M_5-25-2012_10-02-22AM-01	05/25/12 10:26
GW0570	1205070-05	M_5-25-2012_10-02-22AM-01	05/25/12 10:28
GW0586	1205070-07	M_5-25-2012_10-02-22AM-01	05/25/12 10:29
GW0599	1205070-09	M_5-25-2012_10-02-22AM-02	05/25/12 10:30
GW0600	1205070-11	M_5-25-2012_10-02-22AM-02	05/25/12 10:32
GW0609	1205070-13	M_5-25-2012_10-02-22AM-02	05/25/12 10:33
GW0508	1205080-01	M_5-25-2012_10-02-22AM-02	05/25/12 10:35
Calibration Check	2E14611-CCV1	M_5-25-2012_10-02-22AM-02	05/25/12 10:36
Calibration Blank	2E14611-CCB1	M_5-25-2012_10-02-22AM-02	05/25/12 10:38
GW0509	1205080-03	M_5-25-2012_10-02-22AM-02	05/25/12 10:39
GW0513	1205080-05	M_5-25-2012_10-02-22AM-02	05/25/12 10:41
GW0583	1205080-07	M_5-25-2012_10-02-22AM-02	05/25/12 10:42
GW0584	1205080-09	M_5-25-2012_10-02-22AM-02	05/25/12 10:43
GW0585	1205096-01	M_5-25-2012_10-02-22AM-03	05/25/12 10:45
Calibration Check	2E14611-CCV2	M_5-25-2012_10-02-22AM-03	05/25/12 10:49
Calibration Blank	2E14611-CCB2	M_5-25-2012_10-02-22AM-03	05/25/12 10:51

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E15029	Instrument:	WC-Lachat
Calibration:	2150001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2E15029-CAL1	M_5-29-2012_01-12-29PM-00	05/29/12 13:13
Cal Standard	2E15029-CAL2	M_5-29-2012_01-12-29PM-00	05/29/12 13:14
Cal Standard	2E15029-CAL3	M_5-29-2012_01-12-29PM-00	05/29/12 13:15
Cal Standard	2E15029-CAL4	M_5-29-2012_01-12-29PM-00	05/29/12 13:16
Cal Standard	2E15029-CAL5	M_5-29-2012_01-12-29PM-00	05/29/12 13:17
Cal Standard	2E15029-CAL6	M_5-29-2012_01-12-29PM-00	05/29/12 13:18
Cal Standard	2E15029-CAL7	M_5-29-2012_01-12-29PM-00	05/29/12 13:19
Cal Standard	2E15029-CAL8	M_5-29-2012_01-12-29PM-00	05/29/12 13:20
Initial Cal Check	2E15029-ICV1	M_5-29-2012_01-12-29PM-00	05/29/12 13:21
Initial Cal Blank	2E15029-ICB1	M_5-29-2012_01-12-29PM-01	05/29/12 13:22
Blank	2E29004-BLK1	M_5-29-2012_01-12-29PM-01	05/29/12 13:23
LCS	2E29004-BS1	M_5-29-2012_01-12-29PM-01	05/29/12 13:24
GW0583	2E29004-DUP1	M_5-29-2012_01-12-29PM-01	05/29/12 13:28
GW0585	1205096-01	M_5-29-2012_01-12-29PM-01	05/29/12 13:29
GW0585	2E29004-MS1	M_5-29-2012_01-12-29PM-01	05/29/12 13:30
GW0583	1205080-07RE1	M_5-29-2012_01-12-29PM-02	05/29/12 13:35
Calibration Check	2E15029-CCV1	M_5-29-2012_01-12-29PM-02	05/29/12 13:36
Calibration Blank	2E15029-CCB1	M_5-29-2012_01-12-29PM-02	05/29/12 13:37

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E15032	Instrument:	WC-IC
Calibration:	2136002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2E15032-CCV1	052312-003	05/23/12 19:00
Calibration Blank	2E15032-CCB1	052312-004	05/23/12 19:17
Instrument RL Check	2E15032-CRL1	052312-005	05/23/12 19:34
Instrument RL Check	2E15032-CRL3	052312-007	05/23/12 20:09
LCS	2E23021-BS1	052312-008	05/23/12 20:27
Blank	2E23021-BLK1	052312-009	05/23/12 20:44
GW0511	1205070-01	052312-017	05/23/12 23:03
GW0512	1205070-03	052312-018	05/23/12 23:21
GW0570	1205070-05	052312-019	05/23/12 23:38
Calibration Check	2E15032-CCV2	052312-020	05/23/12 23:56
Calibration Blank	2E15032-CCB2	052312-021	05/24/12 00:13
GW0586	1205070-07	052312-022	05/24/12 00:30
GW0599	1205070-09	052312-023	05/24/12 00:48
GW0600	1205070-11	052312-024	05/24/12 01:05
GW0609	1205070-13	052312-025	05/24/12 01:23
GW0609	2E23021-MS1	052312-026	05/24/12 01:40
GW0609	2E23021-MSD1	052312-027	05/24/12 01:58
GW0609	2E23021-DUP1	052312-028	05/24/12 02:15
Calibration Check	2E15032-CCV3	052312-029	05/24/12 02:32
Calibration Blank	2E15032-CCB3	052312-030	05/24/12 02:50

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_053
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E15104	Instrument:	WC-IC
Calibration:	2136002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2E15104-CCV1	052912B-003	05/29/12 17:43
Calibration Blank	2E15104-CCB1	052912B-004	05/29/12 18:00
Instrument RL Check	2E15104-CRL1	052912B-005	05/29/12 18:17
Instrument RL Check	2E15104-CRL3	052912B-007	05/29/12 18:52
LCS	2E29032-BS1	052912B-008	05/29/12 19:10
Blank	2E29032-BLK1	052912B-009	05/29/12 19:27
GW0508	1205080-01	052912B-010	05/29/12 19:45
GW0509	1205080-03	052912B-011	05/29/12 20:02
GW0513	1205080-05	052912B-012	05/29/12 20:19
GW0583	1205080-07	052912B-013	05/29/12 20:37
GW0584	1205080-09	052912B-014	05/29/12 20:54
Calibration Check	2E15104-CCV2	052912B-020	05/29/12 22:39
Calibration Blank	2E15104-CCB2	052912B-021	05/29/12 22:56
GW0585	1205096-01	052912B-023	05/29/12 23:31
Calibration Check	2E15104-CCV3	052912B-024	05/29/12 23:48
Calibration Blank	2E15104-CCB3	052912B-025	05/30/12 00:06